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Health

Policy Research and
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Branch

Saskatchewan Accident Statistics

1983

Saskatchewan

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INTRODUCTION

The annual toll taken by accidents in terms of both deaths and injuries has only relatively recently come to the attention of the public. Accidents are a significant cause of death and disability for nearly all age groups, and in some age groups accidents represent the leading cause of death and hospital admission. The purpose of this report is to provide a broad overview of accidents in Saskatchewan.

During 1983 a major revision of Saskatchewan Accident Statistics was undertaken by the Policy Research and Management Services Branch of Saskatchewan Health. The impetus for this review resulted from the Branch's involvement in assisting the Saskatchewan Child Safety Committee in producing the Accident Fact Book on Children and Youth (March, 1983). This publication focussed on mortality and morbidity data for the under 20 population. The Child Safety Committee advises the Minister of Health on ways and means of preventing accidents among children and youth.*

The Accident Fact Book was a one time only publication. Saskatchewan Accident Statistics is an annual publication of the Department of Health and provides information concerning the entire population. The primary objective in revising the report was to make it more easily understandable to the general public. Thus, data have been presented in graphic form in addition to tabular form.

There are two sources of data available on accidents in Saskatchewan: Statistics Canada data on deaths (mortality), and Saskatchewan Hospital Services Plan data on hospital admissions. Both of these data sources use the External Cause or "E" codes of the International Classification of Diseases to define accidents. There are 129 "E" codes (E800 to E929). Unfortunately, there are no data relating to visits made to either physician's offices, emergency wards of hospitals (where no admission takes place), or other outpatient clinics. These omissions are a serious gap in the overall accident picture. Many minor and major accidents (e.g. a broken leg) may not result in hospital admission. Thus, it is not possible to present as complete a picture of morbidity as is desirable.

* In order to obtain more information about the Child Safety Committee, or copies of the Accident Fact Book, contact: Child Safety Committee, 3475 Albert Street, Regina, Saskatchewan, S4S 6X6.

The first two sections of the report deal with mortality and hospital admissions, respectively. The third section focusses on motor vehicle accidents, while the fourth provides information on interprovincial comparisons. The final section lists population data from 1964 to 1985. Detailed listings of mortality and hospital data by individual "E" code can be found in Appendices A and B, respectively. Appendix C provides an explanation of the accident classifications ("E" code groupings) used in this report.

The mortality data are for the year 1983 and are "final". In years previous to 1982, preliminary data have been used. Because of the significant differences between the preliminary and final data, it was decided to no longer use preliminary data. Hospital data are for the fiscal year 1983-1984 (April 1, 1983 to March 31, 1984). Thus, the mortality and hospital data cover slightly different time periods. The next report will include 1984 mortality data and 1984-1985 hospital data.

Should you have any questions or comments concerning the report, please contact:

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Saskatchewan Health

Mortality

Saskatchewan

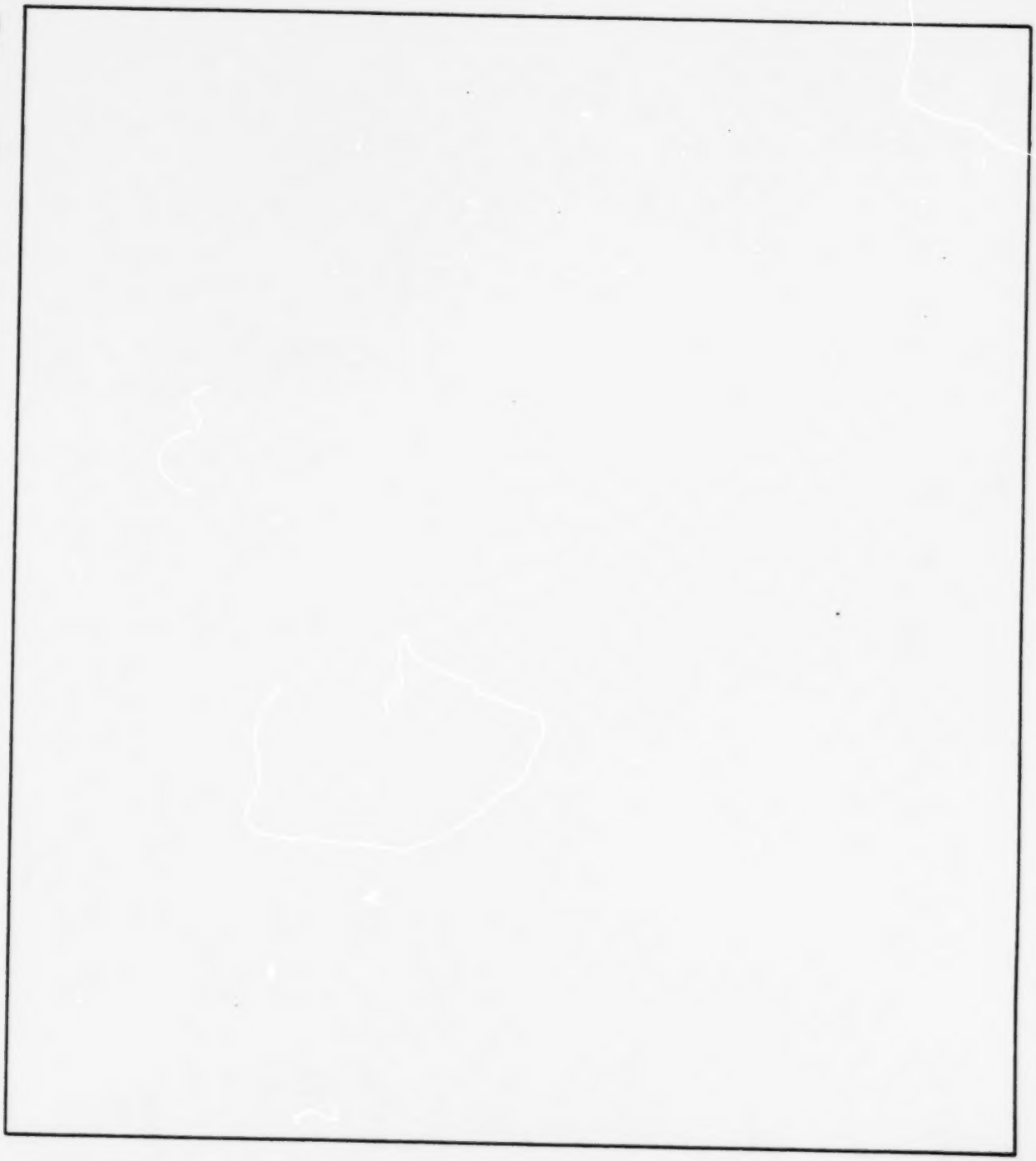


TABLE 1

Mortality and Accidental Mortality in Saskatchewan 1950-1983

GROUP	CAUSE	1950		1960		1970		1980		1982		1983	
		Number	Rate+	Number	Rate+	Number	Rate+	Number	Rate+	Number	Rate+	Number	Rate+
Total Population	All Causes	6,243	749.4	6,878	750.6	7,472	794.0	7,651	796.1	8,202	835.7	7,611	766.7
	Accidents	364	43.7	455	49.7	469	49.8	567	59.0	531	54.1	469	47.2
0 - 1	All Causes	690	3538.5	637	2687.8	386	2271.6	193	1155.7	186	1081.4	360	2142.9
	Accidents	27	138.5	26	109.7	19	117.3	6	35.9	4	23.3	14	83.3
1 - 4	All Causes	158	204.1	121	134.4	70	101.1	50	78.0	29	44.1	31	46.3
	Accidents	39	50.4	41	45.5	20	28.9	21	32.8	12	18.3	16	23.9
5 - 9	All Causes	72	89.4	47	45.0	40	38.6	32	41.4	25	31.8	27	34.2
	Accidents	17	21.1	18	17.2	15	14.5	22	28.5	8	10.2	15	19.0
10 - 14	All Causes	37	49.7	29	32.2	36	34.8	23	28.2	29	36.4	27	33.9
	Accidents	9	12.1	14	15.5	16	15.5	11	13.5	22	27.6	16	20.1
15 - 24	All Causes	150	109.1	131	101.6	197	118.8	230	123.5	239	132.0	196	108.6
	Accidents	52	37.8	72	55.8	117	70.6	150	80.5	120	66.3	106	58.7
25 - 64	All Causes	1,750	462.0	1,537	391.7	1,743	447.9	1,677	397.2	1,747	397.0	1,566	349.9
	Accidents	123	32.5	157	40.0	189	48.6	206	48.8	209	47.5	203	45.4
65 - 74	All Causes	1,551	3335.5	1,638	3114.1	1,421	2691.3	1,617	2364.0	1,828	2553.1	1,683	2308.6
	Accidents	43	92.5	43	81.7	28	53.0	49	71.6	58	81.0	35	48.0
75+	All Causes	1,835	9972.8	2,726	9026.5	3,596	8901.0	3,829	8546.9	4,119	8617.2	3,901	7896.8
	Accidents	54	293.5	83	274.8	65	160.9	102	227.7	98	205.0	71	143.7

Source: Statistics Canada

+Rate per 100,000 population (Statistics Canada Population)

TABLE 2

Accidental Mortality in Saskatchewan
Per Cent of Deaths Caused by Accidents
By Age Group, 1950 - 1983

Age Group	1950	1960	1970	1980	1982	1983
Total Population	5.8%	6.6%	6.3%	7.4%	6.5%	6.2%
0 - 1	3.9	4.1	5.2	3.1	2.2	3.9
1 - 4	24.7	33.9	28.6	42.0	41.4	51.6
5 - 9	23.6	38.3	37.5	68.7	32.0	55.6
10 - 14	24.3	48.3	44.4	47.8	75.9	59.3
15 - 24	34.7	54.9	59.4	65.2	50.2	54.1
25 - 64	7.0	10.2	10.8	12.3	12.0	13.0
65 - 74	2.8	2.6	2.0	3.0	3.2	2.1
75+	2.9	3.0	1.8	2.7	2.4	1.8

Source: Statistics Canada

In 1983, 469 people died because of accidents, representing 6.2% of all deaths occurring during the year. Table 1 illustrates trends in mortality from accidents and from all causes (including accidents) since 1950. The mortality rate for the entire population has increased over this period of time. Mortality rates for specific age groups, however, have decreased (with the exception of the 15-24 year age group). The most dramatic decline is for those under one year of age. These increases and decreases have occurred at the same time due to changes in the age and sex structure of the population. The larger number of elderly people has resulted in more deaths occurring (1,835 deaths among those aged 75 and over in 1950 compared to 3,901 in 1983), and hence, higher overall mortality rates.

Table 2 shows the importance of accidents in mortality among various age groups. The significance of accidents has increased dramatically for those aged 1-24, fully 59.3% of all deaths in the 10-14 year age group were from accidents. The apparent decline in the under 1 group is largely due to improved diagnosis. Prior to 1972, deaths from Sudden Infant Death Syndrome were included as suffocation in accident data.

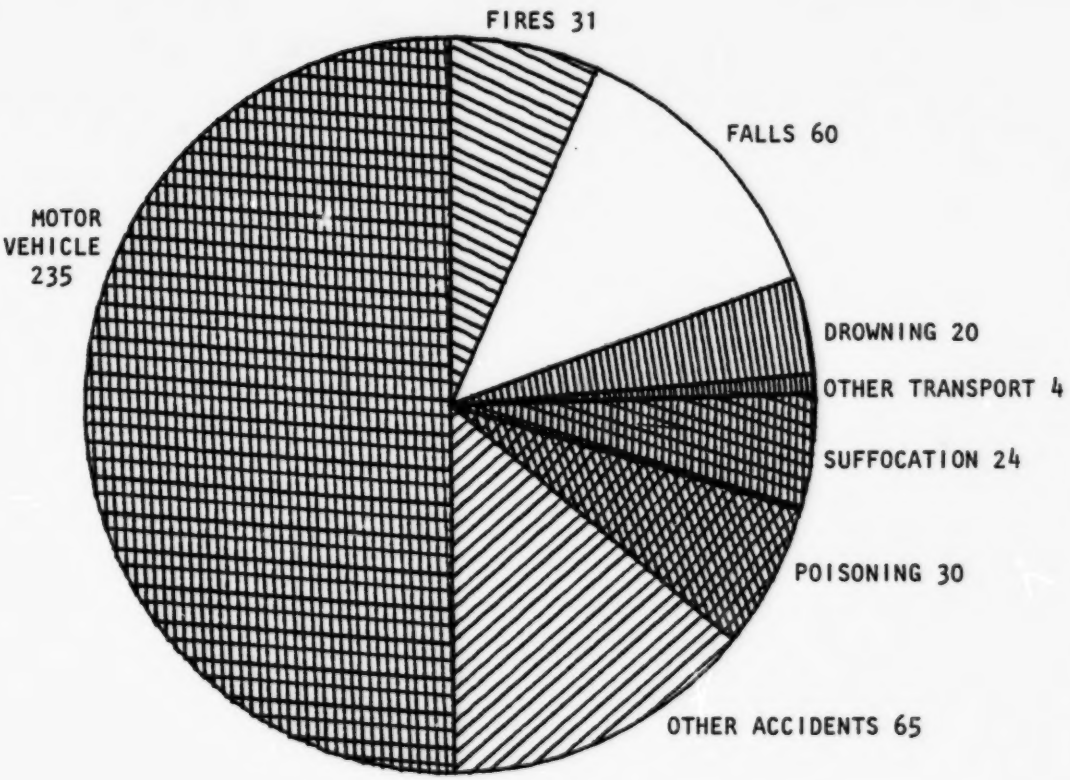
FIGURE 1

NUMBER OF

ACCIDENTAL DEATHS BY CAUSE

SASKATCHEWAN

1983

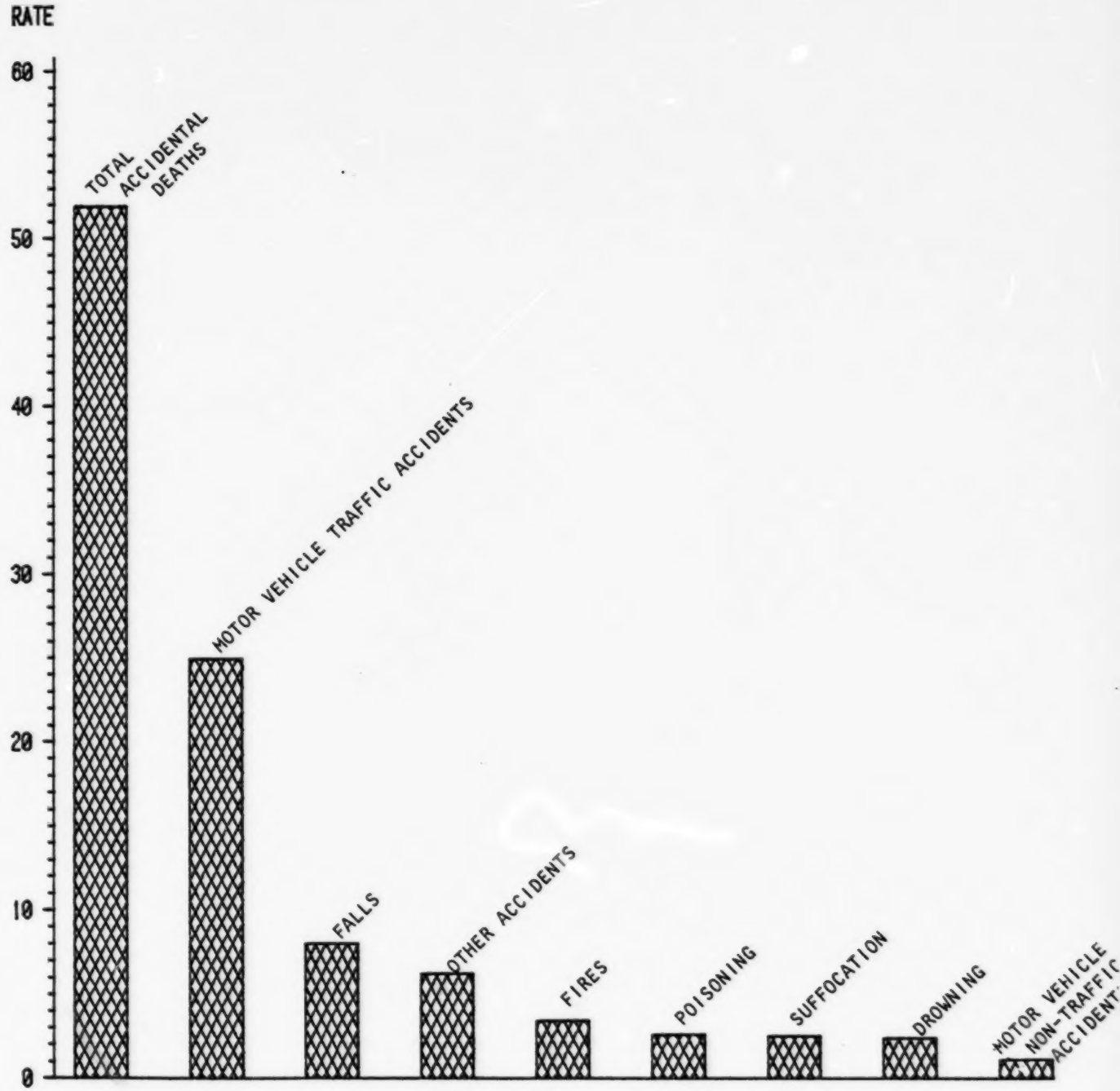


SOURCE: STATISTICS CANADA

This graph shows the relative significance of various types of accidents. The numbers indicate the number of deaths in 1983. Motor vehicle deaths represent 50.1% of the total. Other accidents, which are the second leading cause of accidental death, account for 13.9%. "Other Accidents" include a wide variety of events which cannot be readily categorized. Figure 2 details accident rates by types of accidents.

FIGURE 2

ACCIDENT MORTALITY RATES BY CAUSE, SASKATCHEWAN
THREE YEAR AVERAGE, 1981 - 1983



SOURCE: STATISTICS CANADA

TABLE 3

Accidental Deaths by Cause and Sex
Saskatchewan, 1975-1983

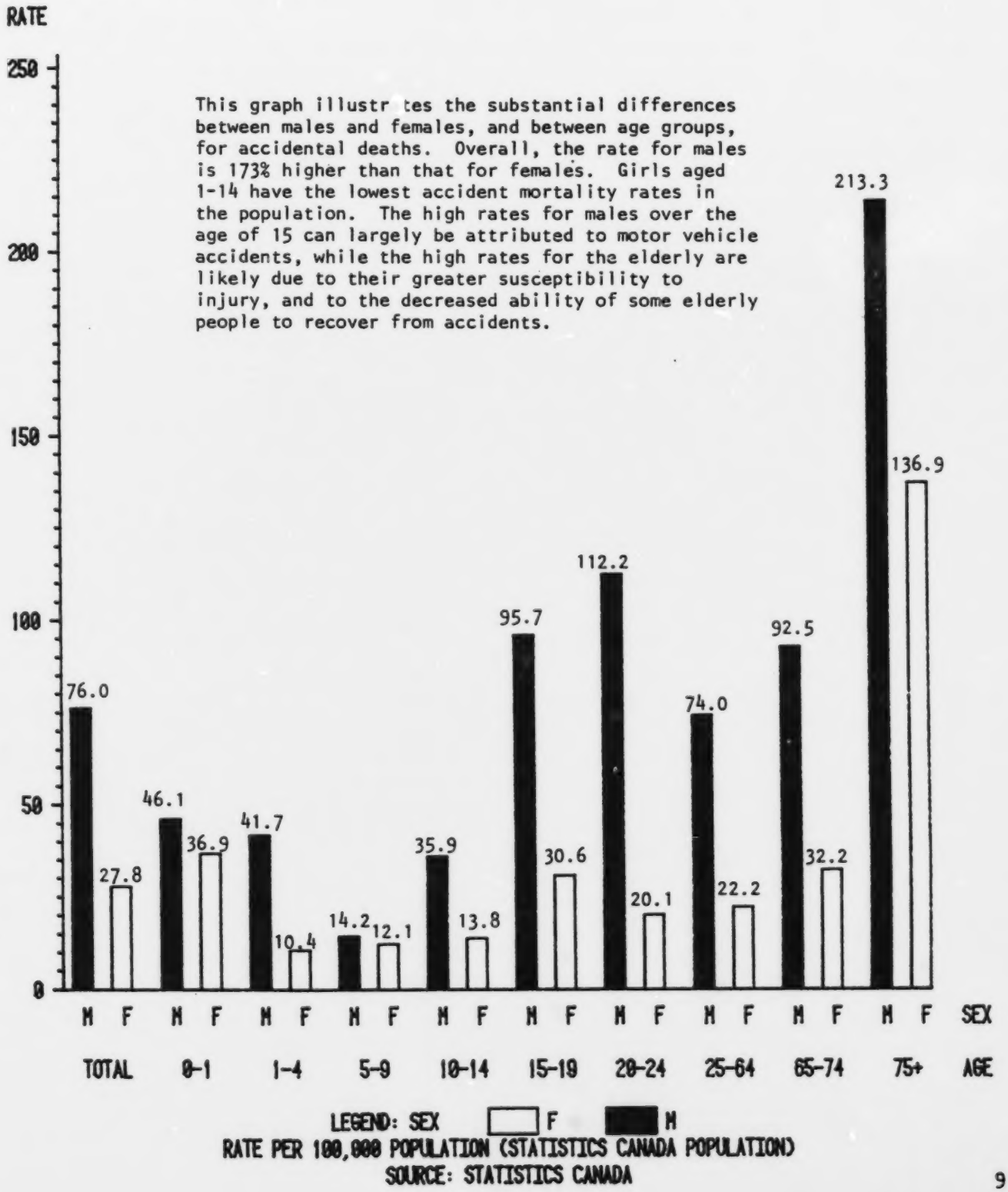
Cause of Death	Sex	1975	1976	1977	1978	1979	1980	1981	1982	1983
Total Accidental Deaths	Total	510	598	569	547	585	567	528	531	469
	Male	356	429	404	393	415	403	403	379	336
	Female	154	169	165	154	170	164	125	152	133
Motor Vehicle Traffic Accidents	Total	248	274	263	253	250	246	265	239	226
	Male	176	192	188	184	173	176	211	179	171
	Female	72	82	75	69	77	70	54	60	55
Motor Vehicle Non-Traffic Accidents	Total	10	4	10	4	22	10	14	9	9
	Male	9	3	9	2	16	9	13	7	8
	Female	1	1	1	2	6	1	1	2	1
Other Transportation	Total	12	22	13	18	16	23	9	14	4
	Male	9	21	12	15	13	20	7	12	2
	Female	3	1	1	3	3	3	2	2	2
Fires	Total	25	33	33	40	53	41	32	36	31
	Male	16	25	21	24	37	28	24	25	21
	Female	9	8	12	16	16	13	8	11	10
Drowning	Total	44	50	36	40	43	37	30	22	20
	Male	37	38	33	31	40	33	24	21	17
	Female	7	12	3	9	3	4	6	1	3
Suffocation	Total	25	27	35	26	21	16	16	35	24
	Male	16	19	20	17	16	10	11	27	18
	Female	9	8	15	9	5	6	5	8	6
Poisoning	Total	13	28	23	25	16	21	18	27	30
	Male	9	22	12	19	10	15	9	16	20
	Female	4	6	11	6	6	6	9	11	10
Falls	Total	68	79	87	76	99	107	88	87	60
	Male	31	42	52	47	53	60	54	45	27
	Female	37	37	35	29	46	47	34	42	33
Other Accidents	Total	65	81	69	65	65	66	56	62	65
	Male	53	67	57	54	57	52	50	47	52
	Female	12	14	12	11	8	14	6	15	13

Source: Statistics Canada

This table shows differences between males and females by type of accident from 1975 to 1983. These data have remained fairly constant over this time period. Higher mortality for males can be found in nearly all accident categories. Differences are particularly evident in motor vehicle accidents, fires, drowning and suffocation.

FIGURE 3

AGE AND SEX SPECIFIC RATES OF MORTALITY FROM ACCIDENTS SASKATCHEWAN, 1981 TO 1983 AVERAGE


RATE
250
200
150
100
50
0
This graph illustrates the substantial differences between males and females, and between age groups, for accidental deaths. Overall, the rate for males is 173% higher than that for females. Girls aged 1-14 have the lowest accident mortality rates in the population. The high rates for males over the age of 15 can largely be attributed to motor vehicle accidents, while the high rates for the elderly are likely due to their greater susceptibility to injury, and to the decreased ability of some elderly people to recover from accidents.
76.0
27.8
46.1
36.9
41.7
10.4
14.2
12.1
35.9
13.8
95.7
30.6
112.2
20.1
74.0
22.2
92.5
32.2
213.3
136.9
M F M F M F M F M F M F M F M F M F M F SEX
TOTAL 0-1 1-4 5-9 10-14 15-19 20-24 25-64 65-74 75+ AGE
LEGEND: SEX F M

RATE PER 100,000 POPULATION (STATISTICS CANADA POPULATION)
SOURCE: STATISTICS CANADA

TABLE 4

Accident Mortality By Cause and Age Group
Saskatchewan, 1981-1983

Cause of Death	Total Population No.	Rate+	0-1 No.	Rate+	1-4 No.	Rate+	5-9 No.	Rate+	10-14 No.	Rate+	15-19 No.	Rate+	20-24 No.	Rate+	25-64 No.	Rate+	65-69 No.	Rate+	70-74 No.	Rate+	75-79 No.	Rate+	80+ No.	Rate+
Total Deaths																								
1981	528	54.5	13	78.1	21	32.4	8	10.3	22	27.6	65	68.5	65	73.0	222	51.7	23	58.1	15	49.1	16	74.7	58	235.5
1982	531	54.1	4	23.3	12	18.3	8	10.2	22	27.6	63	68.8	57	63.8	209	47.5	29	72.3	29	92.1	25	111.6	73	287.4
1983	469	47.2	7	41.7	16	23.9	15	19.0	16	20.1	48	54.4	58	62.8	203	45.4	18	44.3	17	52.6	17	73.3	54	206.1
3 Year Average	509	51.9	8	47.7	16	24.9	10	13.2	20	25.1	59	63.9	60	66.5	211	48.2	23	58.2	20	64.6	19	86.5	62	243.0
Motor Vehicle Traffic																								
1981	265	27.4	2	12.0	8	12.8	7	9.0	13	16.3	48	50.5	45	50.5	116	27.0	10	25.3	6	19.6	5	23.3	5	20.3
1982	239	24.4	-	-	4	6.1	4	5.1	13	16.3	53	57.9	39	43.6	91	20.7	11	27.4	10	31.7	6	26.8	8	31.5
1983	226	22.8	1	6.0	1	1.5	10	12.6	5	6.3	34	38.5	39	42.3	104	23.2	9	22.2	7	21.7	8	34.5	8	30.5
3 Year Average	243	24.9	1	6.0	4	6.8	7	8.9	10	13.0	45	49.0	41	45.5	104	23.6	10	25.0	8	24.3	6	28.2	7	27.4
Motor Vehicle Non-Traffic																								
1981	14	1.4	3	18.0	-	-	-	-	3	3.8	-	-	2	2.2	6	1.4	-	-	-	-	-	-	-	-
1982	9	*	-	-	2	3.0	-	-	1	1.3	1	1.1	1	1.1	1	*	1	2.5	1	3.2	-	-	1	3.9
1983	9	1.0	-	-	4	6.0	1	1.3	1	1.3	-	-	-	-	3	*	-	-	-	-	-	-	-	-
3 Year Average	11	1.1	1	6.0	2	3.0	*	*	2	2.1	*	*	1	1.1	3	*	*	*	*	1.1	-	-	*	1.3
Other Transport																								
1981	9	*	-	-	-	-	-	-	1	*	-	-	2	2.2	6	1.4	-	-	-	-	-	-	-	-
1982	14	1.4	-	-	-	-	-	-	1	1.3	2	2.2	2	2.3	9	2.0	-	-	-	-	-	-	-	-
1983	4	*	-	-	-	-	-	-	1	1.2	-	-	2	2.2	1	*	-	-	-	-	-	-	-	-
3 Year Average	9	*	-	-	-	-	-	-	*	*	*	*	2	2.2	5	1.1	-	-	-	-	-	-	-	-
Fires																								
1981	32	3.3	2	12.0	8	12.3	-	-	-	-	1	1.0	4	4.5	13	3.0	1	2.5	-	-	-	-	3	12.2
1982	36	3.7	1	5.8	2	3.0	1	1.3	3	3.8	-	-	5	5.6	15	3.4	3	7.5	3	9.5	2	8.9	1	3.9
1983	31	3.1	-	-	5	7.5	2	2.5	2	2.5	1	1.1	6	6.5	11	2.5	-	-	2	6.2	-	-	2	7.6
3 Year Average	33	3.4	1	5.9	5	7.6	1	1.3	2	2.1	*	*	5	5.5	13	8.9	1	3.3	2	5.2	*	3.0	2	7.9
Drowning																								
1981	30	3.1	1	6.0	2	3.1	1	1.3	-	-	6	6.3	2	2.2	17	4.0	-	-	1	3.3	-	-	-	-
1982	22	2.2	-	-	-	-	-	-	-	-	2	2.2	4	4.5	10	2.3	3	7.5	1	3.2	2	8.9	-	-
1983	20	2.0	-	-	5	7.5	-	-	-	-	4	4.5	3	3.3	6	1.3	1	2.5	-	-	-	-	1	3.8
3 Year Average	24	2.4	*	2.0	2	3.5	*	*	-	-	4	4.3	3	3.3	11	2.5	1	3.3	*	2.2	*	3.0	*	1.3

Cause of Death	Total Population No.	Rate+	0-1 No.	Rate+	1-4 No.	Rate+	5-9 No.	Rate+	10-14 No.	Rate+	15-19 No.	Rate+	20-24 No.	Rate+	25-64 No.	Rate+	65-69 No.	Rate+	70-74 No.	Rate+	75-79 No.	Rate+	80+ No.	Rate+
Suffocation																								
1981	16	1.6	3	18.0	-	-	-	-	1	1.3	-	-	1	1.1	4	0.9	4	10.1	-	-	1	4.7	2	8.1
1982	35	3.6	3	17.4	-	-	-	-	2	2.5	1	1.1	1	1.1	9	2.0	1	2.5	1	3.2	5	22.3	12	47.2
1983	24	2.4	5	29.8	-	-	-	-	1	1.3	-	-	-	-	11	2.5	-	-	1	3.1	3	12.9	3	11.5
3 Year Average	25	2.5	4	21.7	-	-	-	-	2	1.7	*	*	*	*	8	1.8	2	4.2	*	2.1	3	13.3	6	22.3
Poisoning																								
1981	18	1.9	-	-	-	-	-	-	1	1.3	1	1.0	3	3.4	11	2.6	1	2.5	1	3.3	-	-	-	-
1982	27	2.8	-	-	-	-	-	-	-	-	2	2.2	-	-	22	5.0	1	2.5	1	3.2	-	-	1	3.9
1983	30	3.0	-	-	-	-	-	-	-	-	2	2.3	3	3.3	22	4.9	-	-	-	-	3	12.9	-	-
3 Year Average	25	2.6	-	-	-	-	-	-	*	*	2	1.8	2	2.2	18	4.2	*	1.7	*	2.2	1	4.3	*	1.3
Falls																								
1981	88	9.1	-	-	-	-	-	-	-	-	-	-	3	3.4	17	3.9	5	12.6	7	22.9	10	46.7	46	186.8
1982	87	8.9	-	-	1	1.5	1	1.3	-	-	-	-	-	-	23	5.2	4	10.0	6	19.0	4	17.8	48	189.0
1983	60	6.0	-	-	-	-	-	-	1	1.3	-	-	2	2.2	14	3.1	4	9.9	2	6.2	1	4.3	36	137.4
3 Year Average	78	8.0	-	-	*	*	*	*	*	*	-	-	2	1.9	18	4.1	4	10.8	5	16.0	5	22.9	43	171.1
Other Accidents																								
1981	56	5.8	2	12.0	3	4.6	-	-	3	3.8	9	9.5	3	3.4	32	7.4	2	5.0	-	-	-	-	2	8.1
1982	62	6.3	-	-	3	4.6	2	2.5	2	2.5	2	2.2	5	5.6	29	6.6	5	12.5	6	19.0	6	26.8	2	7.9
1983	65	6.5	1	6.0	1	1.5	2	2.5	5	6.3	7	8.0	3	3.3	31	6.9	4	9.9	5	15.5	2	8.6	4	15.3
3 Year Average	61	6.2	1	6.0	2	3.6	1	1.7	3	4.2	6	6.6	4	4.1	31	7.0	4	9.1	4	11.5	3	11.8	3	10.4

Source: Statistics Canada

+Rate per 100,000 population

*Less than 1

This table presents three years' data by age group and by type of accident. Because the number of events occurring within a particular category may fluctuate considerably from one year to the next, a 3 year average is shown. The types of accidents from which deaths result vary from one age group to another. For those under one year of age suffocation, fire and motor vehicle accidents are most common. Motor vehicle accidents are a leading cause of accidental death for all age groups. Falls are the leading cause of accidental death for those aged 75 and over. The differences abetween age groups are due to a large number of factors including development, activities and health status.

TABLE 5

Selected Causes of Death Due to Accidental Injury
by Place of Occurrence, Saskatchewan, 1983

Type of Accidental Death	Home	Farm	Mine & Quarry	Industrial	Recreation & Sport	Street & Highway	Public Building	Residential Institution	Other Specified	Unspecified	Total
Accidental Poisoning By Drugs, Medicaments and Biologicals	10	1	-	-	-	-	-	-	2	2	15
Accidental Poisoning By Other Solid & Liquid Substances, Gases & Vapours	11	1	-	-	-	2	-	-	-	1	15
Accidental Falls	31	1	-	2	-	-	-	15	2	9	60
Accidents Caused By Fire & Flames	28	1	-	-	-	-	-	-	2	-	31
Accidents Due to Natural and Environmental Factors	5	1	-	-	-	3	-	-	6	4	19
Submersion, Suffocation & Foreign Bodies	10	4	-	1	-	-	-	4	13	9	41
Other Accidents	7	11	2	2	1	-	2	-	9	1	35
Total	102	20	2	5	1	5	2	19	34	26	216

Source: Statistics Canada

A limited amount of data is available on where deaths caused by accidents occurred. Unfortunately in many cases the location is not specified (the proportion varies with each type of accidental death). Motor vehicle and other transportation accidental deaths are not included in these data.

It is interesting to note that almost half of the deaths occurred in the home. Deaths caused by falls which account for approximately one quarter of the deaths due to accidental injury occur predominately in the home and in residential institutions. If these data were broken down by age they would likely reveal where different age groups spend much of their time, and where they are "exposed" to the danger of certain types of accidents resulting in death.

Saskatchewan Health

Hospital Admissions

Saskatchewan

TABLE 6

Hospital Separations, Patient Days
and Average Days of Stay
Saskatchewan, 1980-1984

	1980-81	1981-82	1982-83	1983-84
Total Population*	982,257	990,746	1,000,667	1,014,496
Separations - All Causes	215,682	214,388	221,466	219,451
Separations Per 1,000 Population	219.6	216.4	221.3	216.3
Separations Due To Accidental Injuries	14,963	14,397	14,728	14,712
Separations Per 1,000 Population	15.23	14.53	14.72	14.50
Per Cent of Total Separations Due to Accidental Injuries	6.94	6.72	6.65	6.70
Patient Days - All Causes	1,726,341	1,712,231	1,659,593	1,657,473
Average Length of Stay	8.00	8.00	7.49	7.55
Patient Days - Accidental Injuries	118,289	115,715	111,424	109,673
Average Length of Stay	7.91	8.04	7.57	7.45
Per Cent of Total Patient Days Due to Accidental Injury	6.85	6.76	6.71	6.62

*Saskatchewan Hospital Services Plan Covered Population
Source: Saskatchewan Hospital Services Plan

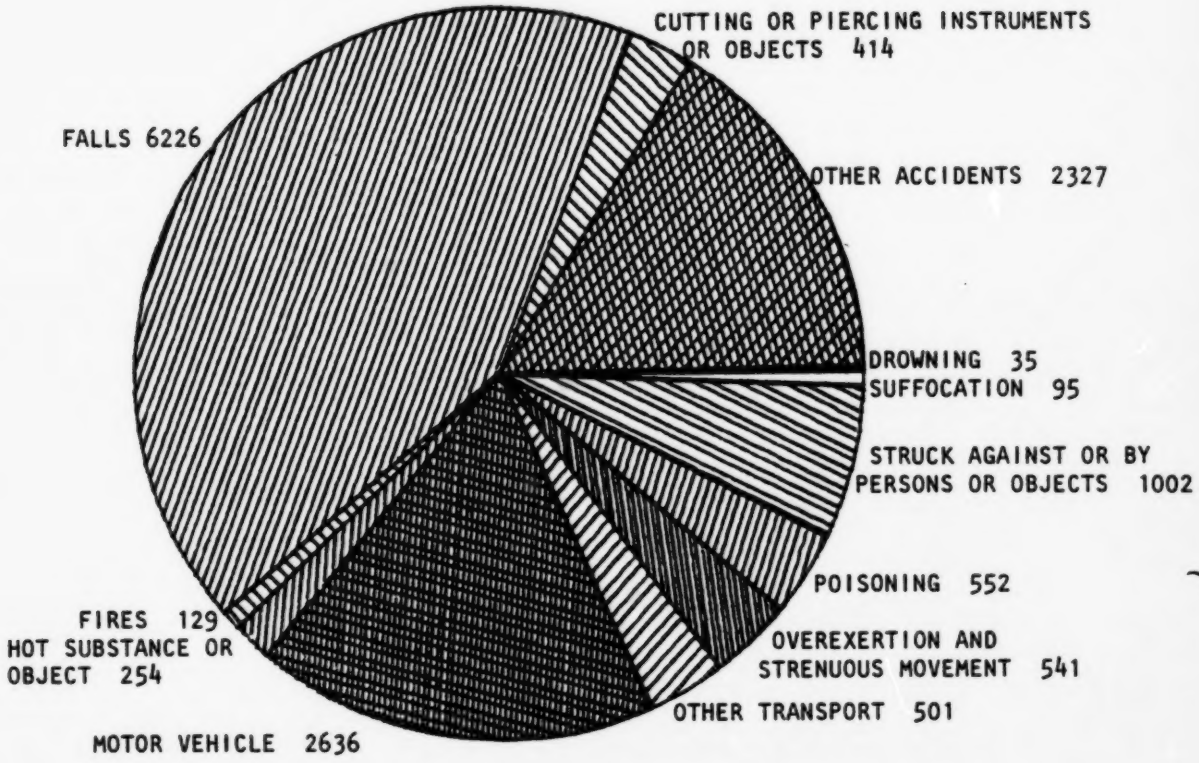
In 1983-84 there were 14,712 people admitted to a hospital because of accidental injuries. As noted in the Introduction, hospital separations only provide a partial picture of accidental injuries. In Table 6 hospital data are shown for the years 1980-81 to 1983-84. The total number of separations in 1983-84 was somewhat lower than the previous year, but there is no clear trend evident in separations per 1,000 population for accidental injuries. The average length of stay is an indicator of severity of injury. Once again no trend is evident. Medical practice has changed over the years, and as a result many injuries which would previously have required a hospital stay are now treated on an outpatient basis.

FIGURE 4

NUMBER OF HOSPITAL SEPARATIONS

BY TYPE OF ACCIDENT

SASKATCHEWAN, 1983-84



SOURCE: SASKATCHEWAN HOSPITAL SERVICES PLAN

Figure 4 shows the proportion of separations for various types of accidents. These data are quite different from the mortality data. Falls accounted for 42.3% of all separations due to accidents, while motor vehicle accidents accounted for only 17.9%. Suffocation and drowning are significant causes of death, but not hospital admission. In both cases an event may result in either death or simply a "close call" requiring only minimal treatment. Two categories which do not appear in mortality data are "Struck Against" and "Overexertion". Both of these categories are likely related to sports and recreation accidents.

TABLE 7

Age and Sex Specific Rates of Hospitalization
Due to Accidental Injury, Saskatchewan, 1983-84

	Total	0-1	1-4	5-9	10-14	15-19	20-24	25-64	65-74	75+
Covered Population[1]										
Both Sexes	1,014,496	16,478	68,888	80,652	79,994	89,644	99,427	457,437	72,454	49,522
Male	509,862	8,283	35,527	41,068	40,941	45,817	50,745	231,435	34,481	21,565
Female	504,634	8,195	33,361	39,584	39,053	43,827	48,682	226,002	37,973	27,957
Admissions										
Both Sexes	14,712	102	1,245	1,035	1,240	1,610	1,317	4,636	1,242	2,285
Male	8,426	45	702	652	817	1,105	958	2,906	513	728
Female	6,286	57	543	383	423	505	359	1,730	729	1,557
Admissions Per 1,000 Covered Population										
Both Sexes	14.5	6.2	18.1	12.8	15.5	18.0	13.2	10.1	17.1	46.1
Male	16.5	5.4	19.8	15.9	20.0	24.1	18.9	12.6	14.9	33.8
Female	12.5	7.0	16.3	9.7	10.8	11.5	7.4	7.7	19.2	55.7
Patient Days										
Both Sexes	109,673	555	4,044	4,077	4,501	6,771	6,137	29,234	13,587	40,767
Male	53,488	299	2,414	2,482	3,144	4,830	4,503	18,476	4,905	12,435
Female	56,185	256	1,630	1,595	1,357	1,941	1,634	10,758	8,682	28,332
Days Per 1,000 Covered Population										
Both Sexes	108.1	33.7	58.7	50.6	56.3	75.5	61.7	63.9	187.5	823.2
Male	104.9	36.1	67.9	60.4	76.8	105.4	88.7	79.8	142.3	576.6
Female	111.3	31.2	48.9	40.3	34.7	44.3	33.6	47.6	228.6	1,013.4
Average Days of Stay										
Both Sexes	7.5	5.4	3.2	3.9	3.6	4.2	4.7	6.3	10.9	17.8
Male	6.3	6.6	3.4	3.8	3.8	4.4	4.7	6.4	9.6	17.1
Female	8.9	4.5	3.0	4.2	3.2	3.8	4.6	6.2	11.9	18.2

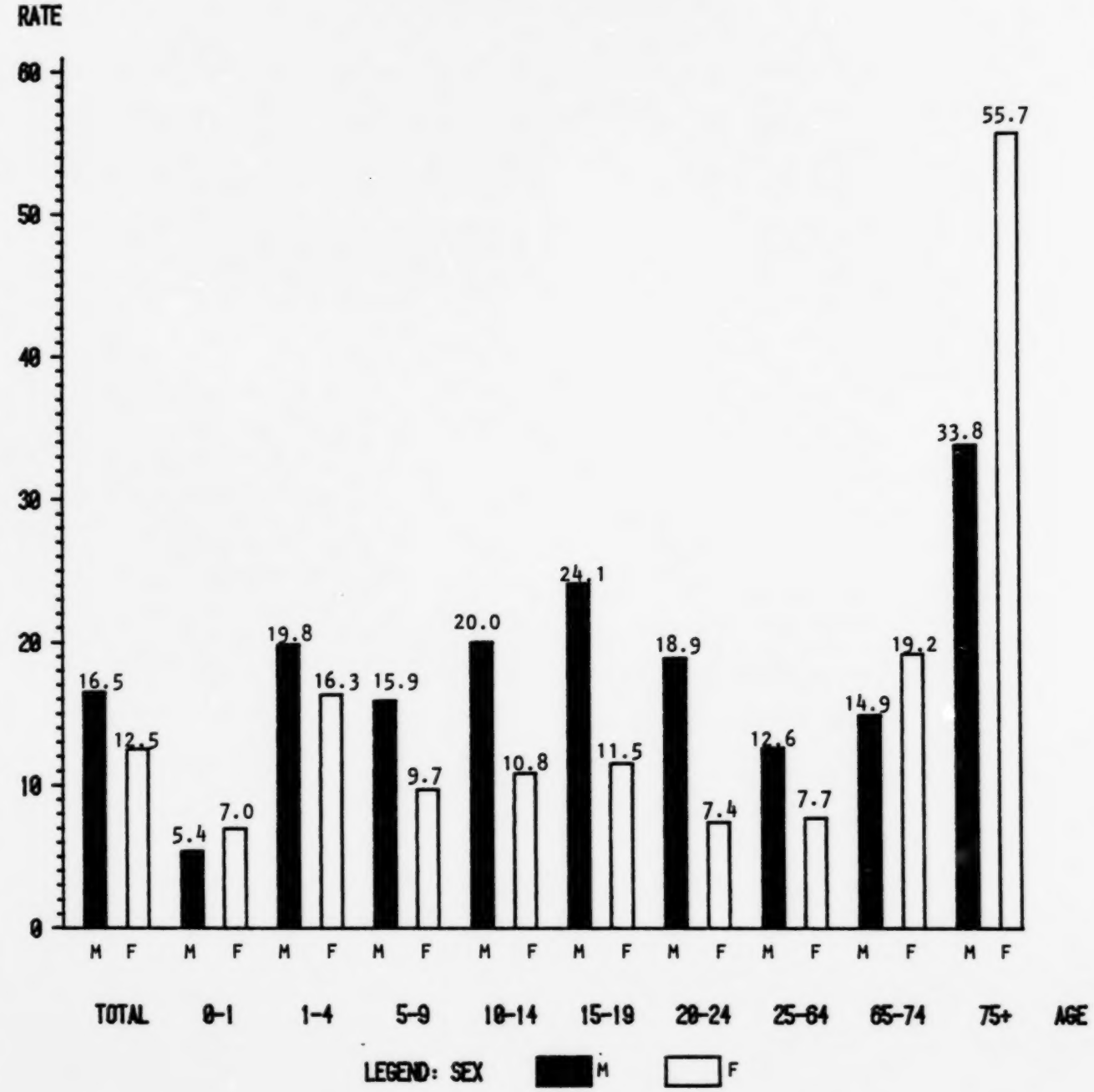
[1]Saskatchewan Hospital Services Plan Covered Population
Source: Saskatchewan Hospital Services Plan

Hospitalization due to accidental injury varies with both age and sex. In Table 7 these variations are shown. Males are more frequently admitted in all age groups with the exception of those aged between 0 and 1 and those aged 65 and over. The high admission rate for elderly women is likely due to the disproportionate number of very elderly women (85 and over) in the 65 and over age group. As expected, the average length of stay is considerably higher for the elderly than for the rest of the population.

Figure 5 provides age and sex rates of hospitalization in graphic form.

FIGURE 5

AGE AND SEX SPECIFIC RATES OF HOSPITALIZATION FROM ACCIDENTS
SASKATCHEWAN, 1983 - 1984



RATE PER 1,000 POPULATION (SHSP COVERED POPULATION)
SOURCE: SASKATCHEWAN HOSPITAL SERVICES PLAN

TABLE 8

Hospital Separations, Patient Days and Average Days of Stay by Type of Accident, 1980-81 to 1983-84

Type of Accident	1980-81	1981-82	1982-83	1983-84
FALLS:				
Separations	6,013	5,994	5,976	6,226
Patient Days	61,911	65,676	60,936	63,517
Average Days of Stay	10.30	11.14	10.20	10.20
MOTOR VEHICLE ACCIDENTS:				
Separations	2,873	2,779	2,872	2,636
Patient Days	21,295	19,239	19,192	17,362
Average Days of Stay	7.41	6.92	6.68	6.59
STRUCK AGAINST OR BY PERSONS OR OBJECTS:				
Separations	1,145	1,039	941	1,002
Patient Days	4,021	3,638	3,032	3,408
Average Days of Stay	3.51	3.50	3.22	3.40
POISONING:				
Separations	565	560	623	552
Patient Days	1,111	1,066	1,267	945
Average Days of Stay	1.97	1.90	2.03	1.71
OTHER TRANSPORTATION:				
Separations	497	477	432	501
Patient Days	2,103	1,653	1,451	2,073
Average Days of Stay	4.23	3.47	3.36	4.14
CUTTING OR PIERCING INSTRUMENTS OR OBJECTS:				
Separations	408	342	357	414
Patient Days	1,685	1,313	1,414	1,559
Average Days of Stay	4.13	3.84	3.96	3.77
HOT SUBSTANCE OR OBJECT:				
Separations	289	259	215	254
Patient Days	2,642	2,609	1,922	2,464
Average Days of Stay	9.14	10.07	8.94	9.70
OVEREXERTION AND STRENUOUS MOVEMENT:				
Separations	586	554	586	541
Patient Days	3,218	2,949	3,004	2,519
Average Days of Stay	5.49	5.32	5.13	4.66

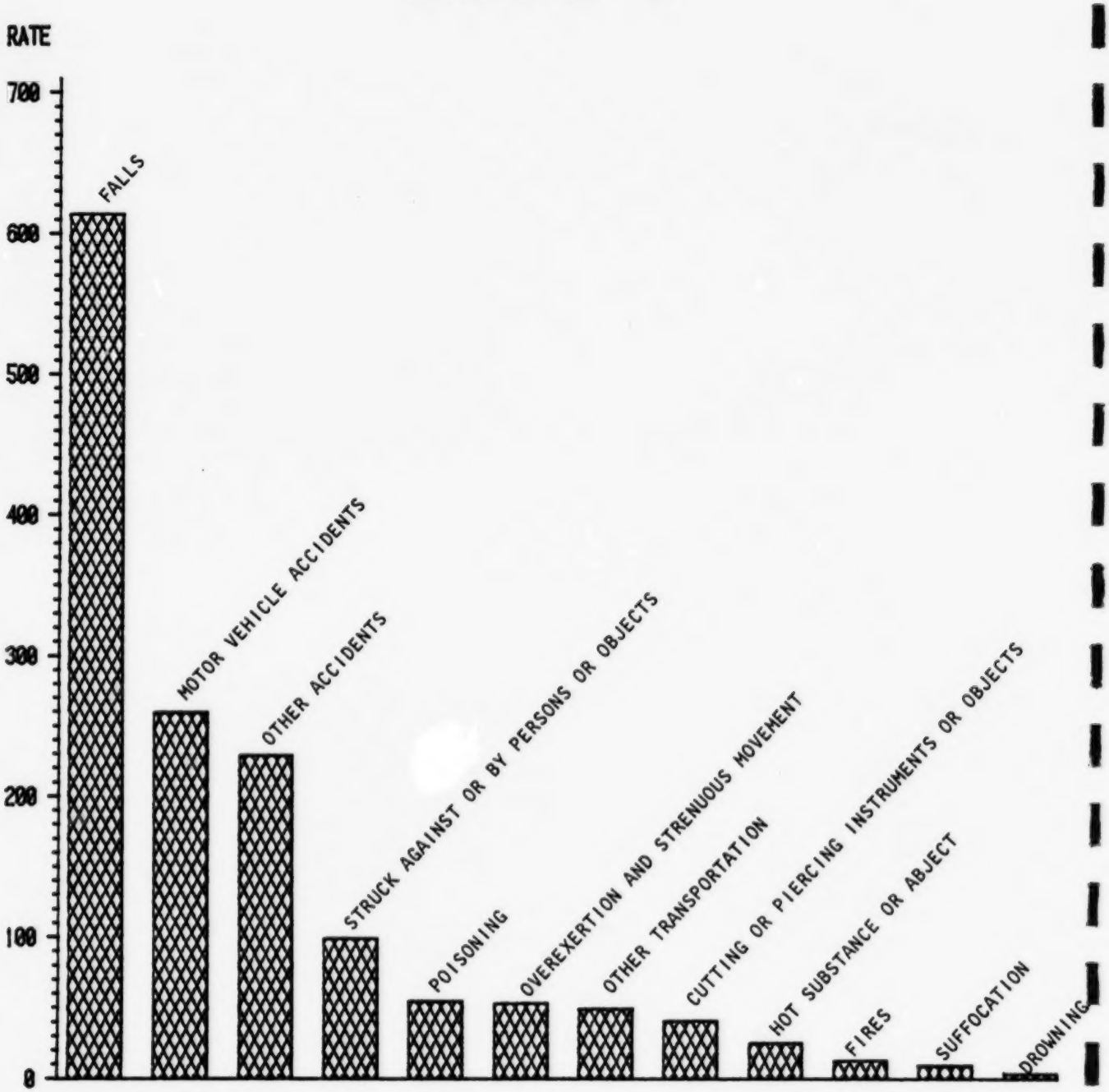
	1980-81	1981-82	1982-83	1983-84
FIRES:				
Separations	216	195	194	129
Patient Days	3,828	2,897	2,330	1,643
Average Days of Stay	17.72	14.86	12.01	12.74
DROWNING:				
Separations	27	22	32	35
Patient Days	92	61	88	72
Average Days of Stay	3.41	2.77	2.75	2.06
SUFFOCATIONS:				
Separations	92	124	91	95
Patient Days	199	278	149	210
Average Days of Stay	2.16	2.24	1.64	2.21
OTHER ACCIDENTS:				
Separations	2,252	2,152	2,409	2,327
Patient Days	16,184	14,336	16,639	13,901
Average Days of Stay	7.19	6.66	6.91	5.97
TOTAL ACCIDENTS:				
Separations	14,963	14,397	14,728	14,712
Patient Days	118,289	115,715	111,424	109,673
Average Days of Stay	7.91	8.04	7.57	7.45

Source: Saskatchewan Hospital Services Plan

The number of separations and the average length of stay varies with different types of accidents. In Table 8 these data are presented for the years 1980-81 to 1983-84. The longest average length of stay is for falls, many of which involve elderly people who often sustain more serious injuries and require a longer recovery period than younger people. Burns (hot substances and fires) also have a long length of stay. The number of separations in the various accident categories has remained relatively constant.

FIGURE 6

RATE OF HOSPITALIZATION DUE TO ACCIDENTAL INJURY BY CAUSE
SASKATCHEWAN, 1983 - 1984



SOURCE: SASKATCHEWAN HOSPITAL SERVICES PLAN
RATE PER 100,000 POPULATION

TABLE 9

Selected Causes of Hospitalization Due to Accidental Injury
by Place of Occurrence, Saskatchewan, 1983-84

Type of Accident	Home		Farm		Mine & Quarry		Industrial		Recreation & Sport		Street & Highway		Public Building		Residential Institution		Other Specified		Unspecified	
	Cases	Days	Cases	Days	Cases	Days	Cases	Days	Cases	Days	Cases	Days	Cases	Days	Cases	Days	Cases	Days	Cases	Days
Accidental Poisoning By Drugs, Medicaments and Biologicals	160	270	-	-	-	-	-	-	-	-	1	2	3	3	1	4	1	1	179	405
Accidental Poisoning By Other Solid & Liquid Substances, Gases & Vapours	102	127	7	9	-	-	6	8	1	1	1	2	1	1	1	1	4	7	84	104
Accidental Falls	2440	26801	93	388	-	-	19	100	528	1780	331	3005	301	1967	381	6675	155	1318	1978	21483
Accidents Caused By Fire & Flames	65	569	9	81	-	-	4	25	3	10	-	-	-	-	-	-	5	99	43	859
Accidents Due to Natural and Environmental Factors	67	326	53	242	-	-	2	2	10	30	15	72	-	-	-	-	22	118	186	1202
Submersion, Suffocation & Foreign Bodies	87	161	5	15	-	-	3	6	20	37	-	-	6	10	4	27	8	14	175	431
Other Accidents	812	4352	293	1705	3	5	36	182	616	1808	33	114	117	353	15	373	80	330	1568	8729

Source: Saskatchewan Hospital Services Plan

A limited amount of data is available on where accidents occurred. Unfortunately in many cases the location is not specified (the proportion varies with each type of accident). Motor vehicle and other transportation accidents are not included in these data.

It is interesting to note that most poisonings occur at home. Falls, however, occur in virtually all locations. If these data were broken down by age they would likely reveal where different age groups spend much of their time, and where they are "exposed" to the danger of certain types of accidents.

TABLE 10

Hospital Separation and Patient Days for Leading Accident Classifications by Age Groups, Saskatchewan, 1983-84

Type of Accident	Total No.	Total Rate*	0 - 1 No.	0 - 1 Rate*	1 - 4 No.	1 - 4 Rate*	5 - 9 No.	5 - 9 Rate*	10 - 14 No.	10 - 14 Rate*	15 - 19 No.	15 - 19 Rate*	20 - 24 No.	20 - 24 Rate*	25 - 64 No.	25 - 64 Rate*	65 - 74 No.	65 - 74 Rate*	75+ No.	75+ Rate*
Falls																				
- Separations	6226	6.1	64	3.9	379	5.5	438	5.4	426	5.3	304	3.4	272	2.7	1658	3.6	818	11.3	1867	37.7
- Patient Days	63517	62.6	312	18.9	1071	15.5	1405	17.4	1355	17.0	1433	16.0	1479	14.9	10746	23.5	9956	137.4	35760	722.1
- Average Days of Stay	10.2		4.9		2.8		3.2		3.2		4.7		5.4		6.5		12.2		19.2	
Motor Vehicle Accidents																				
- Separations	2636	2.6	4	0.2	75	1.1	140	1.7	213	2.7	593	6.6	469	4.7	902	2.0	136	1.9	104	2.1
- Patient Days	17362	17.1	5	0.3	251	3.6	999	12.4	1022	12.8	2668	29.8	2404	24.2	7252	15.9	1542	21.3	1219	24.6
- Average Days of Stay	6.6		1.3		3.3		7.1		4.8		4.5		5.1		8.0		11.3		11.7	
Struck Against or by Persons or Objects																				
- Separations	1002	1.0	1	0.1	28	0.4	94	1.2	190	2.4	226	2.5	145	1.5	277	0.6	19	0.3	22	0.4
- Patient Days	3408	3.4	1	0.1	82	1.2	259	3.2	455	5.7	648	7.2	374	3.8	924	2.0	205	2.8	460	9.3
- Average Days of Stay	3.4		1.0		2.9		2.8		2.4		2.9		2.6		3.3		10.8		20.9	
Poisoning																				
- Separations	552	0.5	8	0.5	397	5.8	40	0.5	8	0.1	13	0.1	13	0.1	54	0.1	8	0.1	11	0.2
- Patient Days	945	0.9	9	0.5	553	8.0	65	0.8	11	0.1	20	0.2	18	0.2	135	0.3	44	0.6	90	1.8
- Average Days of Stay	1.7		1.1		1.4		1.6		1.4		1.5		1.4		2.5		5.5		8.2	
Other Transportation																				
- Separations	501	0.5	-	-	17	0.2	94	1.2	152	1.9	65	0.7	45	0.5	117	0.3	8	0.1	3	0.1
- Patient Days	2073	2.0	-	-	38	0.6	369	4.6	418	5.2	211	2.4	184	1.9	799	1.7	45	0.6	9	0.2
- Average Days of Stay	4.2		-		2.2		4.0		2.8		3.2		4.1		6.8		5.6		3.0	
Cutting or Piercing Instrument or Objects																				
- Separations	414	0.4	-	-	24	0.3	38	0.5	40	0.5	51	0.6	51	0.5	172	0.4	27	0.4	11	0.2
- Patient Days	1559	1.5	-	-	88	1.3	140	1.7	215	2.7	147	1.6	140	1.4	618	1.4	133	1.8	78	1.6
- Average Days of Stay	3.8		-		3.7		3.7		5.4		2.9		2.7		3.6		4.9		7.1	
Hot Substance or Object																				
- Separations	254	0.3	5	0.3	105	1.5	21	0.3	10	0.1	12	0.1	13	0.1	61	0.1	9	0.1	18	0.4
- Patient Days	2464	2.4	46	2.8	891	13.0	155	2.0	55	0.7	78	0.9	93	0.9	650	1.4	80	1.1	416	8.4
- Average Days of Stay	9.7		9.2		8.5		7.4		5.5		6.5		7.2		10.7		8.9		23.1	

Type of Accident	Total		0 - 1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 64		65 - 74		75+	
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*
Overexertion and Strenuous Movement																				
- Separations	541	0.5	-	-	-	-	8	0.1	28	0.4	44	0.5	47	0.5	312	0.7	45	0.6	57	1.2
- Patient Days	2519	2.5	-	-	-	-	16	0.2	66	0.8	96	1.1	140	1.4	1392	3.0	335	4.6	474	9.6
- Average Days of Stay	4.7		-		-		2.0		2.4		2.2		3.0		4.5		7.4		8.3	
Fires																				
- Separations	129	0.1	2	0.1	14	0.2	10	0.1	12	0.2	9	0.1	7	0.1	52	0.1	10	0.1	13	0.3
- Patient Days	1643	1.6	109	6.6	101	1.5	100	1.2	165	2.1	31	0.3	25	0.3	815	1.8	158	2.2	139	2.8
- Average Days of Stay	12.7		18.0		7.2		10.0		13.8		3.4		3.6		15.7		15.8		10.7	
Drowning																				
- Separations	35	0.03	-	-	6	0.1	4	0.05	2	0.03	5	0.1	5	0.05	12	0.03	-	-	1	0.02
- Patient Days	72	0.1	-	-	7	0.1	4	0.05	2	0.03	15	0.2	10	0.1	28	0.1	-	-	6	0.1
- Average Days of Stay	2.1		-		1.2		1.0		1.0		3.0		2.0		2.3		-		6.0	
Suffocation																				
- Separations	95	0.1	6	0.4	32	0.5	6	0.1	2	0.03	5	0.1	7	0.1	27	0.1	3	0.04	7	0.1
- Patient Days	210	0.2	17	1.0	70	1.0	10	0.1	3	0.04	16	0.2	9	0.1	49	0.1	4	0.06	32	0.6
- Average Days of Stay	2.2		2.8		2.2		1.7		1.5		3.2		1.3		1.8		1.3		4.6	
Other Accidents																				
- Separations	2327	2.3	12	0.7	168	2.4	142	1.8	157	2.0	283	3.2	243	2.4	992	2.2	159	2.2	171	3.5
- Patient Days	13901	13.7	56	3.4	892	13.0	555	6.9	734	9.2	1408	15.7	1261	12.7	5826	12.7	1085	15.0	2084	42.1
- Average Days of Stay	6.0		4.7		5.3		3.9		4.7		5.0		5.2		5.9		6.8		12.2	
Total																				
- Separations	14712	14.5	102	6.2	1245	18.1	1035	12.8	1240	15.5	1610	18.0	1317	13.2	4636	10.1	1242	17.1	2285	46.1
- Patient Days	109673	108.1	555	33.7	4044	58.7	4077	50.6	4501	56.3	6771	75.5	6137	61.7	29234	63.9	13587	187.5	40767	823.2
- Average Days of Stay	7.5		5.4		3.2		4.0		3.6		4.2		4.7		6.3		11.0		17.8	

*Rate per 1,000 Covered Population
Source: Saskatchewan Hospital Services Plan

This table provides detailed information on separations, patient days and average length of stay. These data also illustrate differences between age groups in regard to types of accidents. The separation rate per 1,000 population allows comparisons to be made between age groups. Accidents where there are few occurrences (e.g. drowning, suffocation), may vary considerably in frequency from one year to the next.

Saskatchewan Health

Vehicle Accidents

Saskatchewan

TABLE 11

Motor Vehicle Accident Mortality,
Total Population By Age Group
Saskatchewan, 1971-1983

Year	Under 15		15-24		25-64		65+		Total	
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*
1971	23	7.9	71	41.7	100	26.0	31	32.9	225	24.3
1972	21	7.5	97	56.4	101	26.3	34	35.1	253	27.7
1973	31	11.4	108	63.5	89	23.3	34	34.1	262	29.0
1974	40	15.3	110	62.6	116	30.2	30	29.9	296	32.9
1975	30	11.6	100	54.8	93	23.8	35	34.5	258	28.4
1976	24	9.3	92	48.5	128	32.0	34	32.9	278	30.2
1977	26	10.2	113	58.0	99	24.3	35	33.1	273	28.8
1978	30	12.0	86	43.6	110	26.5	31	28.6	257	26.8
1979	29	11.8	103	52.1	105	24.9	35	31.5	272	28.3
1980	19	7.8	108	54.9	95	22.1	34	29.8	256	26.4
1981	36	15.1	95	51.6	122	28.4	26	22.4	279	28.8
1982	24	9.9	94	51.9	92	20.9	38	31.8	248	25.3
1983	23	9.5	73	40.4	107	23.9	32	26.2	235	23.7

*Rate per 100,000 population.

Source: Statistics Canada

Overall, motor vehicle accidents result annually in the greatest number of accidental deaths. In 1983, 235 people died as a result of these accidents. The highest mortality rate for motor vehicle accidents is found in the 25-64 year age group. Mortality rates from 1971 to 1983 vary, but no clear trend is evident.

TABLE 12

Hospitalized Motor Vehicle and Other Road Vehicle Accident Cases, Patient Days and Rates per 100,000 Population*, Saskatchewan, 1983-84

Type and Cause of Accident	0 - 14			15-24			25-44			45-64			65+		
	No.	Average Days Stay	Rate	No.	Average Days Stay	Rate	No.	Average Days Stay	Rate	No.	Average Days Stay	Rate	No.	Average Days Stay	Rate
Motor Cycle Accidents	79	4.9	32.1	157	5.6	83.0	50	8.6	18.3	17	4.4	9.3	-	-	-
Motor Vehicle Traffic Accidents	311	5.1	126.4	921	4.8	487.1	525	7.4	191.8	270	10.2	147.0	233	11.3	191.0
Collision with train	-	-	-	2	1.0	1.1	1	8.0	0.4	1	3.0	0.5	1	5.0	0.8
Collision of motor vehicle	28	3.0	11.4	156	5.4	82.9	103	6.5	37.6	60	8.1	32.7	44	7.4	36.1
Collision with bicycles	40	4.0	16.3	9	2.6	4.8	5	16.4	1.8	3	4.7	1.6	2	8.5	1.6
Collision with pedestrain	86	9.0	35.0	41	5.0	21.7	33	18.6	12.1	25	19.7	13.6	31	19.4	25.4
Collision with fixed object	2	1.0	0.8	30	2.6	15.9	8	2.6	3.0	3	1.3	1.6	3	1.7	2.5
Loss of control of motor vehicle	40	3.4	16.3	268	3.4	141.7	114	7.0	41.6	60	9.5	32.7	35	8.0	28.7
Other	115	3.8	46.7	415	5.6	219.5	261	6.5	95.4	118	10.0	64.2	117	11.9	96.0
Motor Vehicle Non-Traffic Accidents	121	5.7	49.2	141	4.5	74.5	77	5.7	21.1	30	6.0	16.3	7	18.6	5.7
Involving pedestrians	3	1.7	1.2	2	2.5	1.1	1	11.0	0.4	1	1.0	0.5	-	-	-
Other	118	5.8	48.0	139	4.5	73.5	76	5.6	27.8	29	6.1	15.8	7	18.6	5.7
Other Road Vehicle Accidents	261	3.2	106.1	104	3.6	55.0	74	4.6	27.0	31	10.5	16.9	11	4.9	9.0
Involving pedestrians	4	8.0	1.6	-	-	-	-	-	-	-	-	-	-	-	-
Injured while riding bicycle	178	2.8	72.4	39	4.0	20.6	19	4.1	7.0	14	5.0	7.6	7	4.3	5.7
Other	79	3.6	32.1	65	3.4	34.4	55	4.7	20.1	17	15.1	9.3	4	3.5	3.3

Source: Saskatchewan Hospital Services Plan

*Rate per 100,000 population - 1983 SHSP Covered Population - 0-14 - 246,012
15-24 - 189,071
25-44 - 273,720
45-64 - 183,717
65+- 121,976

As noted earlier, motor vehicle and related accidents result in a significant number of hospital admissions. The type of accident, however, varies with different age groups. Thus, young children (0-14 years), for example, are much more likely to be injured while riding a bicycle than people of other ages. Motorcycle accidents are most common among 15-24 year olds. These differences are likely due to involvement in different activities and to experience.

Detailed information on traffic accidents is contained in Saskatchewan Traffic Accident Facts, published annually by the Department of Highways and Transportation.

Saskatchewan Health

Inter-Provincial Comparisons

Saskatchewan

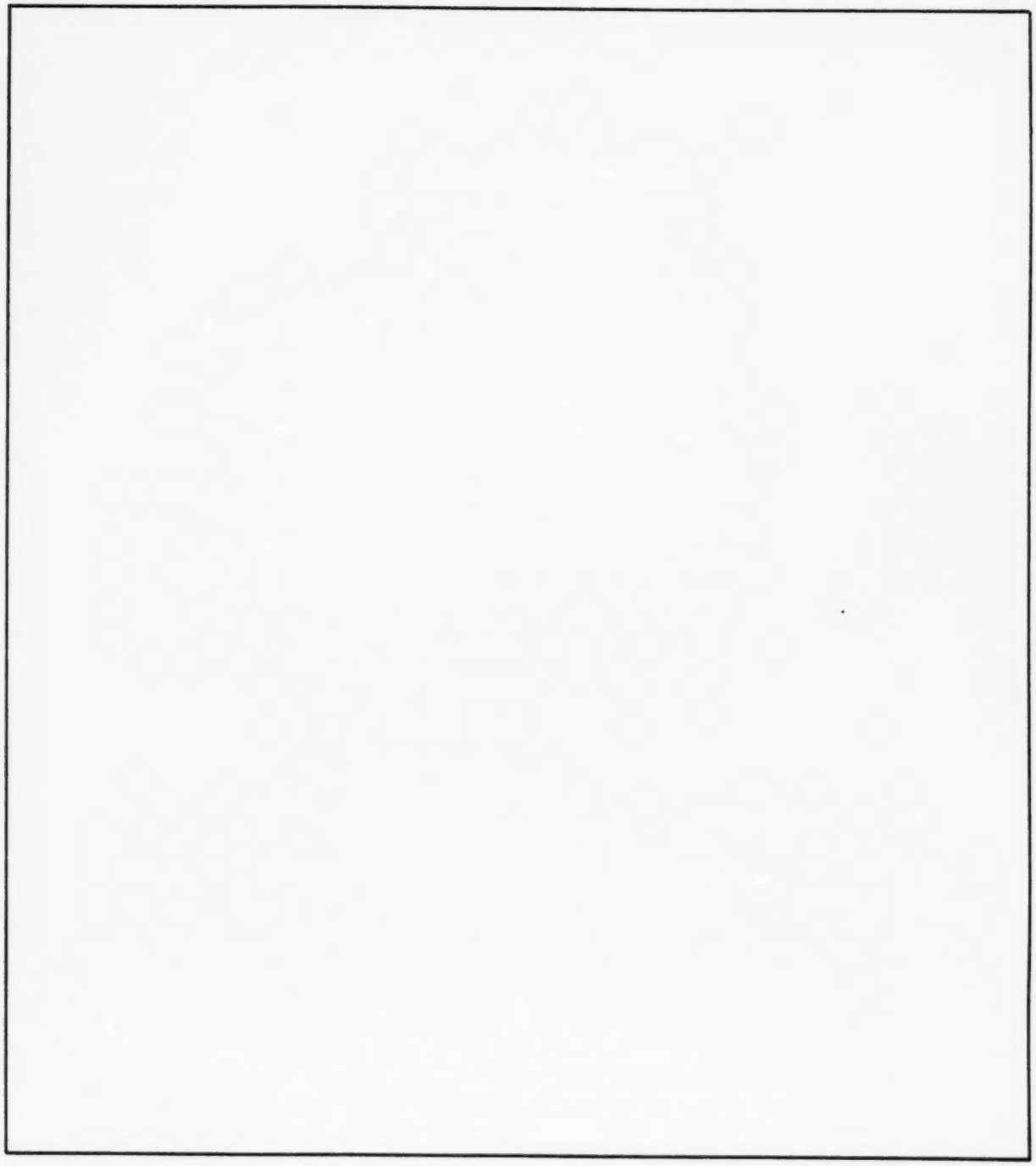


TABLE 13

Accident Mortality Rates*,
Canada and the Provinces, 1981-1983

	1981 Total	1982 Total	1983 Total
Canada	63.8	57.5	56.6
Newfoundland	46.8	42.9	46.2
Prince Edward Island	38.2	48.0	64.5
Nova Scotia	58.1	62.2	57.6
New Brunswick	65.8	68.1	52.4
Quebec	63.2	53.9	56.3
Ontario	53.7	49.4	49.3
Manitoba	71.2	61.9	64.4
Saskatchewan	77.9	77.4	66.3
Alberta	74.9	63.3	61.9
British Columbia	84.1	74.6	69.5
Yukon	195.7	137.5	121.1
Northwest Territories	123.9	163.8	155.0

Source: Statistics Canada Catalogue 84-206 Annual
*Rate per 100,000 population

Includes all accidents and late effects ICD-9 Codes E800-E999 (including suicide and homicide).

In the table above accident mortality rates are shown for Canada and the provinces (these data include suicide and homicide). These rates vary enormously between the provinces, and furthermore, considerable variation can be found from one year to the next. Fluctuations are particularly evident in provinces with small populations. A province with a large proportion of 15-24 year olds, for example, would likely have a high accident mortality rate.

While comparisons between provinces are difficult, Saskatchewan has tended to have a high accident mortality rate relative to other provinces. The Yukon and Northwest Territories have rates more than double the Canadian average.

TABLE 14

Accident Mortality Rates* by Sex,
Canada and the Provinces, 1981-1983

	1981			1982			1983		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Canada	86.0	33.2	63.8	82.3	33.1	57.5	81.0	32.6	56.6
Newfoundland	72.1	21.5	46.8	71.3	14.1	42.9	66.8	25.4	46.2
Prince Edward Island	58.9	6.7	38.2	77.1	19.4	48.0	97.6	32.0	64.5
Nova Scotia	81.8	25.8	58.1	92.3	32.7	62.2	86.7	29.2	57.6
New Brunswick	95.4	29.2	65.8	99.7	36.9	68.1	79.8	25.3	52.4
Quebec	88.2	30.9	63.2	78.7	29.8	53.9	82.2	31.3	56.3
Ontario	69.2	29.8	53.7	68.0	31.4	49.4	68.6	30.7	49.3
Manitoba	98.1	35.3	71.2	86.0	38.5	61.9	94.9	34.7	64.4
Saskatchewan	108.0	38.5	77.9	115.3	39.3	77.4	97.6	34.9	66.3
Alberta	102.4	40.5	74.9	90.8	34.6	63.3	86.2	36.6	61.9
British Columbia	108.1	46.5	84.1	106.2	43.3	74.6	98.7	40.7	69.5
Yukon	275.6	103.8	195.7	176.6	97.5	137.5	153.8	84.9	121.1
Northwest Territories	209.4	90.4	123.9	226.0	93.8	163.8	248.0	52.4	155.0

Source: Statistics Canada Catalogue 84-206 Annual
*Rate per 100,000 population

Includes all accidents and late effects ICD-9 Codes E800-E999 (including suicide and homicide).

It has been noted earlier that accident mortality rates are significantly higher for males than for females. Table 14 illustrates these differences for Canada and the provinces. It is interesting to note that the rate for females is fairly similar across Canada, with the exception of the Yukon and Northwest Territories. The rate for males, on the other hand, varies considerably.

The Saskatchewan rate for females is slightly above the Canadian average, while the rate for males is well above the average.

Saskatchewan Health

Population

Saskatchewan

Covered Population by Age Distribution, Saskatchewan
1964 - 1985

Year	Total	0-1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
1964	935,005	22,093	90,206	109,794	98,483	83,794	58,578	50,691	52,432	54,445	55,544
1965	943,799	20,382	90,122	110,186	101,175	87,187	60,047	50,718	51,581	53,910	54,867
1966	951,434	19,501	88,576	110,431	103,520	89,834	61,904	51,634	51,034	53,344	54,621
1967	959,310	17,769	85,731	110,803	105,859	91,365	66,723	52,090	50,414	52,667	53,930
1968	962,376	17,810	80,704	111,198	106,789	93,276	69,444	53,710	49,829	51,977	53,600
1969	963,878	17,978	75,665	109,998	107,115	95,776	72,048	54,807	49,351	51,080	52,743
1970	948,370	16,891	70,150	105,993	106,132	97,109	71,126	53,281	47,748	49,121	51,753
1971	938,527	16,878	66,662	101,101	105,265	98,857	71,186	52,521	47,141	47,585	50,423
1972	934,607	15,774	65,424	95,788	104,274	100,636	71,443	54,785	46,696	46,444	49,291
1973	923,181	16,782	62,801	88,780	102,701	98,945	71,266	55,503	46,784	45,165	48,050
1974	922,487	14,394	61,905	83,968	101,655	99,900	75,882	58,181	47,579	44,620	47,170
1975	931,921	14,611	62,059	81,042	99,876	100,758	81,621	62,691	49,380	44,699	46,167
1976	949,463	16,061	62,886	80,686	97,405	101,330	88,331	68,049	51,796	45,880	45,839
1977	961,526	16,256	63,770	80,193	93,531	101,680	93,095	71,163	55,987	46,770	45,502
1978	970,510	16,235	64,327	80,125	89,099	101,916	95,526	74,739	59,152	48,165	45,224
1979	976,734	16,356	65,123	79,109	84,985	101,460	96,158	78,522	62,295	49,405	45,801
1980	982,257	15,610	65,901	78,957	81,844	99,942	96,438	82,381	65,675	50,722	45,173
1981	990,746	15,840	66,659	78,828	80,752	97,203	96,756	86,040	68,960	52,267	45,970
1982	1,000,667	16,160	67,645	79,833	80,118	93,409	97,019	89,216	70,976	56,219	46,647
1983	1,014,496	16,478	68,888	80,652	79,994	89,644	99,427	92,107	74,348	59,220	48,045
1984	1,028,965	16,778	70,424	82,293	79,306	86,175	101,099	94,167	78,450	62,806	49,636
1985	1,039,249	16,806	71,280	83,481	79,442	82,990	100,427	95,136	82,484	66,461	51,075

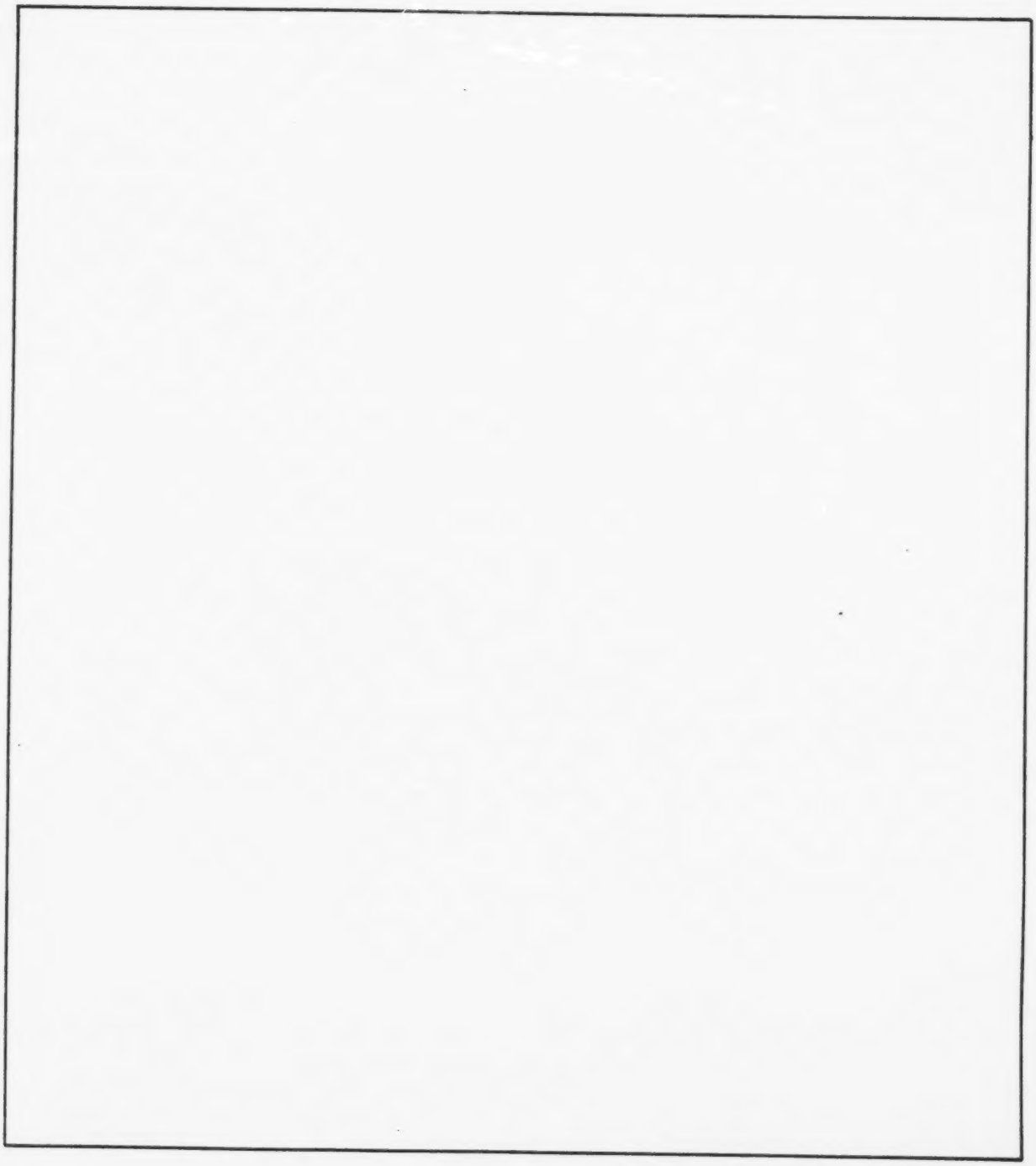
Source: SHSP Covered Population

Year	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85-89	90-94	95+
1964	52,018	47,604	39,825	33,042	26,759	23,759	18,986	11,254	4,328	1,144	226
1965	52,441	48,823	40,790	33,468	27,115	23,237	19,372	11,755	4,797	1,226	600
1966	52,604	49,457	42,029	34,108	27,328	23,538	19,158	12,154	5,070	1,337	252
1967	53,059	49,989	43,038	35,175	27,714	23,296	19,247	12,522	5,540	1,464	915
1968	53,182	49,763	43,841	36,125	28,359	22,739	18,976	12,697	5,857	1,586	914
1969	53,515	49,851	45,185	36,912	29,491	22,327	18,832	12,923	6,227	1,737	317
1970	52,423	50,015	46,089	37,644	29,861	22,691	18,453	13,183	6,444	1,949	314
1971	51,768	49,866	46,502	38,603	30,516	22,928	18,388	13,161	6,659	2,128	389
1972	50,856	50,102	46,772	39,325	31,971	23,677	18,364	13,274	6,946	2,348	417
1973	50,168	49,931	49,469	40,053	33,271	24,596	18,274	13,315	7,324	2,508	495
1974	49,268	50,123	46,372	41,156	33,469	25,310	17,862	13,202	7,335	2,609	527
1975	48,944	49,629	46,784	42,243	33,956	25,761	18,086	12,901	7,428	2,687	598
1976	48,443	49,446	47,031	42,892	34,989	26,454	18,324	12,875	7,352	2,766	628
1977	47,938	48,993	47,588	43,430	35,677	27,455	18,790	12,796	7,340	2,862	710
1978	47,487	48,914	47,872	43,494	36,431	28,540	19,436	12,691	7,408	2,993	736
1979	46,814	48,316	48,241	43,584	37,684	29,137	20,313	12,610	7,660	3,085	796
1980	45,867	48,042	47,710	44,021	38,896	29,673	20,851	12,887	7,581	3,250	836
1981	45,402	47,514	47,565	44,267	39,673	30,587	21,432	13,250	7,595	3,302	884
1982	44,929	47,021	47,180	44,810	40,241	31,324	22,335	13,642	7,667	3,340	936
1983	44,819	46,589	47,242	45,067	40,432	32,022	23,318	14,212	7,624	3,352	1,016
1984	44,949	46,037	46,702	45,647	40,230	33,301	23,856	14,903	7,672	3,463	1,071
1985	45,081	45,367	46,554	45,237	40,887	34,481	24,408	15,211	7,886	3,437	1,118

Source: SHSP Covered Population

Saskatchewan Health

Appendix A



Saskatchewan

Accidental Deaths and Suicide By Age Group and Individual E-Code
Saskatchewan, 1983

Cause of Death		0-1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
E800-E807	Railway Accidents	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
E810-E819	Motor Vehicle Traffic Accidents																				
	Collision with train (E810)	-	-	-	-	-	1	-	-	-	-	-	-	1	1	-	-	1	-	-	4
	Collision with another motor vehicle (E812)	-	1	6	1	17	19	5	8	6	3	2	7	4	4	4	3	3	1	3	97
	Collision with pedestrian (E814)	-	-	2	1	1	1	1	1	1	3	1	3	2	1	1	2	2	2	-	25
	Other collision, highway (E815)	-	-	-	-	-	1	4	3	-	1	-	-	-	-	-	-	-	-	-	9
	Non-collision due to loss of control, highway (E816)	1	-	-	3	14	14	8	11	6	5	2	2	4	1	3	1	2	2	-	79
	Unspecified nature (E819)	-	-	2	-	2	3	1	-	-	2	-	-	-	-	1	1	-	-	-	12
E820-E825	Motor Vehicle Non-Traffic Accidents																				
	Other off road motor vehicle (E821)	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
	Collision with moving object (E822)	-	4	1	1	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	8
E830-E838	Water Transport Accidents																				
	Boat with submersion (E830)	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2
	Other accidental submersion or drowning (E832)	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1

Cause of Death		0-1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
E840-E845	Air & Space Transport Accidents																				
	Powered aircraft, other, unspecified (E841)	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	2
	Other, specified (E844)	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
E850-E858	Accidental Poisoning, Drugs, Medicaments, Biologicals																				
	Analgesics, antipyretics, antirheumatics (E850)	-	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	1	-	-	4
	Barbiturates (E851)	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
	Tranquilizers (E853)	-	-	-	-	-	-	1	1	-	-	-	-	-	1	-	-	-	-	-	3
	Other Psychotropic agents (E854)	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
	Other drugs (E858)	-	-	-	-	-	1	-	1	1	-	-	-	3	-	-	-	-	-	-	6
E860-E869	Accidental Poisoning By Other Substances																				
	Alcohol (NEC)(E860)	-	-	-	-	-	-	-	-	-	1	1	-	2	-	-	-	-	-	-	4
	Other utility gas, carbon monoxide (E868)	-	-	-	-	2	1	2	1	-	-	1	-	2	-	-	-	2	-	-	11
E870-E876	Misadventures to Patients During Surgical & Medical Care																				
	Accidental cut, puncture, perforation or haemorrhage (E870)	1	-	-	-	-	-	-	-	1	-	-	-	-	1	1	1	-	-	-	5
E878-E879	Complication of Medical Procedures Without Mention of Misadventure																				
	Surgical operation, procedures (E878)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1
	Other procedures without misadventures (E879)	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1

Cause of Death		0-1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
E880-E888	Accidental Falls																				
	On or from stairs or steps (E880)	-	-	-	-	-	-	-	2	1	-	-	-	2	1	2	1	-	1	2	12
	On or from ladders or scaffolding (E881)	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	From, out of building, other structure (E882)	-	-	-	-	-	-	1	1	-	-	1	-	-	-	1	1	-	-	-	5
	Other, from one level to another (E884)	-	-	-	1	-	-	-	-	-	-	-	1	-	-	-	-	-	1	3	6
	Same level, slipping, tripping (E885)	-	-	-	-	-	1	-	-	-	-	-	1	-	-	1	-	-	2	3	8
	Fracture, cause unspecified(E887)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	2	6
	Other & unspecified (E888)	-	-	-	-	-	-	-	-	-	-	-	2	-	1	-	-	-	5	14	22
E890-E899	Accidents Caused by Fire & Flames																				
	Conflagration in private dwelling (E890)	-	4	2	1	1	6	1	1	2	3	-	1	1	1	-	2	-	1	1	28
	In other & NOS building or structure (E891)	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Ignition of clothes (E893)	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1
	Controlled fire not in building or structrue (E897)	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
E900-E909	Accidents due to Natural and Environmental Factors																				
	Excessive cold (E901)	-	-	1	-	2	2	-	-	1	2	1	-	2	-	-	1	1	-	-	13
	Hunger, thirst, exposure, neglect (E904)	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	2
	Other injury caused by animals (E906)	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	2
	Cataclysmic storms, and floods (E908)	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Cataclysmic earth movements, eruptions (E909)	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
E910-E915	Accidents, Submersion, Suffocation and Foreign Bodies																				
	Accidental drowning and submersion (E910)	-	5	-	-	3	3	1	-	-	-	-	-	1	2	1	-	-	-	1	17
	Inhalation & ingestion of food causing respiratory obstruction (E911)	3	-	-	-	-	-	2	-	-	-	1	1	2	2	-	1	3	2	1	18
	Accidental mechanical suffocation (E913)	2	-	-	1	-	-	1	-	-	1	-	1	-	-	-	-	-	-	-	6

Cause of Death		0-1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Total
E916-E928	Other Accidents																				
	Struck by falling object (E916)	-	-	-	-	1	-	-	-	1	1	-	-	1	-	-	-	-	-	-	4
	Striking against or struck by objects or persons (E917)	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3
	Caused by machinery (E919)	-	1	-	-	1	-	1	4	-	1	1	1	2	1	2	1	-	-	-	16
	Cutting, piercing instruments (E920)	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Firearm missile (E922)	-	-	-	1	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	3
	Explosive material (E923)	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	2
	Hot substance or object, caustic or coorosive material & steam (E924)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	2
	Electric current (E925)	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
	Overexertion and strenuous movements (E927)	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
E929	Late Effects of Accidental Injury	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	1	-	-	1	4
E930-E949	Substances Causing Adverse Effects in Therapeutic Use																				
	Analgesics, antipyretic and antirheumatics (E935)	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1
	Affecting skin mucous ophthalmological, otorhinolaryngological (E946)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
E950-E959	Suicide & Self Inflicted Injury																				
	Poisoning by solid or liquid substances (E950)	-	-	-	-	-	2	2	2	2	2	3	1	2	1	1	-	-	-	-	18
	Poisoning by gases in domestic use (E951)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	Poisoning by other gases and vapours (E952)	-	-	-	-	-	2	-	1	2	1	-	1	2	3	-	2	-	-	1	15
	Hanging, strangulation and suffocation (E953)	-	-	-	1	7	3	5	4	4	3	1	1	-	1	1	1	3	1	2	38
	Submersion (E954)	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	2
	Firearms & explosives (E955)	-	-	-	-	6	11	12	3	5	1	6	4	2	2	5	3	6	-	2	68
	Cutting & Piercing instruments (E956)	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	1	-	3
	Jumping from high place (E957)	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	2
	Other & unspecified means (E958)	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1

Accidental Deaths and Suicide, By Individual E-Code and Sex
Saskatchewan, Total Population, 1980-1983

Cause of Accident		1980		1981		1982		1983	
		Male	Female	Male	Female	Male	Female	Male	Female
E800-E807	Railway Accidents	6	1	3	-	1	-	1	-
E810-E819	Motor Vehicle Traffic Accidents								
	Collision with train (E810)	9	2	4	-	8	1	4	-
	Re-entrant collision (E811)	1	-	-	1	-	1	-	-
	Collision with another motor vehicle (E812)	68	29	90	24	76	36	71	26
	Collision with other vehicle (E813)	6	1	3	-	2	-	-	-
	Collision with pedestrian (E814)	18	14	25	8	17	8	22	3
	Other collision, highway (E815)	-	-	5	-	10	-	6	3
	Non-collision due to loss of control, highway (E816)	39	16	60	15	48	10	58	21
	Other non-collision (E818)	3	1	5	1	5	1	-	-
	Unspecified nature (E819)	32	7	19	5	13	3	10	2
E820-E825	Motor Vehicle Non-Traffic Accidents								
	Motor driven snow vehicle (E820)	2	-	5	-	2	-	-	-
	Other off-road motor vehicle (E821)	3	-	2	-	1	-	1	-
	Collision with moving object (E822)	2	-	3	1	2	2	7	1
	Other and unspecified nature (E825)	2	1	-	-	1	-	-	-
	Pedal cycle (E826)	1	-	-	-	-	-	-	-
	Animal drawn vehicle (E827)	-	-	-	-	1	-	-	-
	Involving animal being ridden (E828)	2	-	-	-	3	1	-	-
E830-E838	Water Transport Accidents								
	Boat with submersion (E830)	12	1	8	2	7	-	2	-
	Other accidental submersion or drowning (E832)	1	-	2	-	2	-	1	-
	Other and unspecified (E838)	-	-	1	-	-	-	-	-

Cause of Accident		1980 Male	1980 Female	1981 Male	1981 Female	1982 Male	1982 Female	1983 Male	1983 Female
E840-E845	Air & Space Transport Accidents								
	Powered aircraft at take-off or landing (E840)	-	-	1	-	-	-	1	1
	Powered aircraft, other, unspecified (E841)	10	2	2	2	7	1	-	-
	Accident to unposered aircraft (E842)	1	-	-	-	-	-	-	-
	Other, specified (E844)	-	-	-	-	-	-	-	1
E850-E858	Accidental Poisoning, Drugs, Medicaments, Biologicals								
	Analgesics, antipyretics, Antirheumatics (E850)	-	-	1	1	1	-	3	1
	Barbiturates (E851)	-	1	-	2	3	-	-	1
	Tranquilizers (E853)	-	-	-	-	-	2	2	1
	Other psychotropic agents (E854)	1	-	-	-	-	2	-	1
	Other drugs (E858)	-	-	-	3	-	2	2	4
E860-E869	Accidental Poisoning By Other Substances								
	Alcohol, NEC (E860)	3	-	-	-	2	2	3	1
	Disinfectant, paint varnish, cleaners (E861)	1	-	-	-	-	-	-	-
	Petroleum, other solvants, vapours, NEC (E862)	3	1	-	1	-	-	-	-
	Agricultural, horticultural, pharmaceutical (E863)	-	-	1	-	-	-	-	-
	Foodstuffs and poisonous plants (E865)	1	-	1	-	-	-	-	-
	Other and NOS solids and liquids (E866)	1	-	-	-	1	-	-	-
	Other utility gas, carbon monoxide (E868)	5	4	6	2	7	3	10	1
	Other gases, vapours (E869)	-	-	-	-	2	-	-	-
E870-E876	Misadventures to Patients During Surgical and Medical Care								
	Accidental cut, puncture, perforation or haemorrhage (E870)	-	1	-	1	2	-	1	4
	Mechanical failure of instrument (E874)	-	-	-	1	-	-	-	-
	Other and unspecified (E876)	1	-	-	-	-	-	-	-

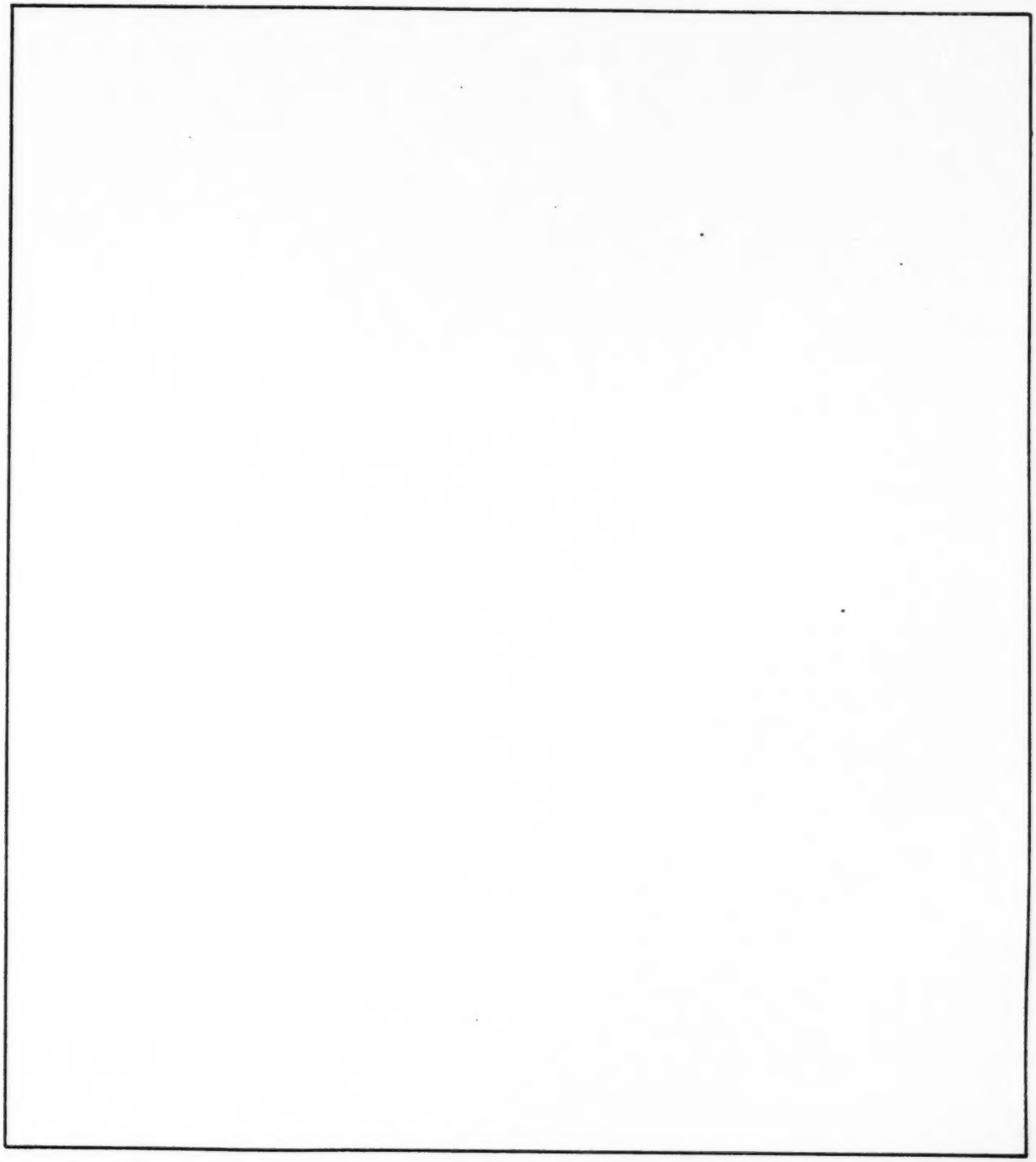
Cause of Accident		1980 Male	1980 Female	1981 Male	1981 Female	1982 Male	1982 Female	1983 Male	1983 Female
E878	Complication of Medical Procedures Without Mention of Misadventure								
	Surgical operation, procedures (E878)	-	-	-	-	3	-	1	-
	Other procedures, without misadventures (E879)	-	-	-	-	-	-	1	-
E880-E888	Accidental Falls								
	On or from stairs or steps (E880)	11	7	18	5	9	6	7	5
	On or from ladders or scaffolding (E881)	3	-	2	-	-	-	1	-
	From, out of building, other structure (E882)	5	-	-	-	1	-	5	-
	Into hole or other opening in surface (E883)	-	-	3	-	-	-	-	-
	Other, from one level to another (E884)	5	5	4	2	9	4	-	6
	Same level, slipping, tripping (E885)	7	9	2	4	3	5	4	4
	Fracture, cause unspecified (E887)	3	4	1	2	2	3	2	4
	Other and unspecified (E888)	26	22	24	21	21	24	8	14
E890-E899	Accidents Caused By Fire and Flames								
	Conflagration in private dwelling (E890)	19	12	20	7	22	10	20	8
	In other and NOS building or structure (E891)	1	-	-	1	1	-	-	1
	Conflagration not, building, structure (E892)	-	-	-	-	2	-	-	-
	Ignition of clothing (E893)	4	1	2	-	-	-	-	1
	Ignition, inflammable material (E894)	2	-	-	-	-	-	-	-
	Controlled fire, private dwelling (E895)	1	-	-	-	-	-	-	-
	Controlled fire in other and NOS building or structure (E896)	-	-	-	-	-	-	-	-
	Controlled fire not in building or structure (E897)	-	-	-	-	-	-	1	-
	Other specified fire and flames (E898)	1	-	2	-	-	1	-	-
	Unspecified fire (E899)	-	-	-	-	-	-	-	-
E900-E909	Accidents Due To Natural and Environmental Factors								
	Excessive cold (E901)	6	4	6	2	13	6	11	2
	Hunger, thirst, exposure, neglect (E904)	1	1	1	-	1	-	2	-
	Poisoning, toxic reactions (E905)	-	-	1	-	1	-	-	-
	Other injury caused by animals (E906)	-	-	2	-	3	-	2	-

Cause of Accident		1980 Male	1980 Female	1981 Male	1981 Female	1982 Male	1982 Female	1983 Male	1983 Female
	Lightening (E907)	2	-	-	1	-	-	-	-
	Cataclysmic storms and floods (E908)	-	-	-	-	-	-	-	1
	Cataclysmic earth movements, eruptions (E909)	-	-	1	-	-	-	1	-
E910-E915	Accidents, Submersion, Suffocation and Foreign Bodies								
	Accidental drowning and submersion (E910)	20	3	14	4	12	1	14	3
	Inhalation & ingestion of food causing obstruction (E911)	10	6	11	5	19	8	13	5
	Causing respiratory obstruction (E912)	-	-	-	-	1	-	-	-
	Accidental mechanical suffocation (E913)	5	-	3	1	7	-	5	1
	Foreign body entering other orifice (E915)	-	1	-	-	-	-	-	-
E916-E928	Other Accidents								
	Struck by falling object (E916)	7	1	4	-	4	1	3	1
	Striking against or struck by objects or persons (E917)	4	-	1	-	1	-	3	-
	Caught in or between objects (E918)	3	-	1	-	-	-	-	-
	Caused by machinery (E919)	9	2	14	-	11	-	16	-
	Cutting, piercing instruments (E920)	-	-	2	-	-	-	-	1
	Firearm missile (E922)	5	-	3	-	1	2	3	2
	Explosive material (E923)	3	-	2	-	3	1	2	-
	Hot substance or object, caustic or corrosive material and steam (E924)	-	-	1	-	1	-	2	-
	Electric current (E925)	4	1	7	-	3	1	2	1
	Overexertion and strenuous movements (E927)	-	-	-	-	-	-	1	-
	Other and NOS environmental causes (E928)	-	2	-	-	1	-	-	-
E929	Late Effects of Accidental Injury	1	-	1	-	1	2	1	3
E930-E949	Substances Causing Adverse Effects In Therapeutic Use								
	Hormones and synthetic sub (E932)	-	-	-	-	1	-	-	-
	Analgesics, antipyretics and antirheumatics (E935)	-	-	-	-	-	-	1	-
	Other CNS depressants (E938)	-	-	-	-	-	1	-	-
	Psychotropic (E939)	-	-	-	-	-	1	-	-
	Affecting skin mucous ophthalmological, otorhinolaryngological (E946)	-	-	-	-	-	-	1	-
	Other and NOS drugs and medicaments (E947)	1	-	-	-	-	-	-	-

Cause of Accident		1980		1981		1982		1983	
		Male	Female	Male	Female	Male	Female	Male	Female
E950-E959	Suicide and Self Inflicted Injury								
	Poisoning by solid or liquid substances (E950)	8	14	10	19	8	10	5	13
	Poisoning by gases in domestic use (E951)	-	-	-	-	-	-	1	-
	Poisoning by other gases and vapours (E952)	12	4	15	1	14	-	12	3
	Hanging, strangulation & suffocation (E953)	25	7	18	9	45	6	33	5
	Submersion (E954)	3	3	4	2	1	1	1	1
	Firearms and explosives (E955)	64	4	74	11	73	8	66	2
	Cutting and piercing instruments (E956)	5	1	3	2	4	-	2	1
	Jumping from high place (E957)	2	-	1	-	-	-	1	1
	Other and unspecified means (E958)	1	-	2	-	1	-	1	-
	TOTAL DEATHS DUE TO ACCIDENTS AND SUICIDE	523	197	529	169	528	177	460	159

Saskatchewan Health

Appendix B



Saskatchewan

Hospitalized Accident Cases* and Patient Days
Saskatchewan, 1983-84

Type and Cause of Accident	Cases		Patient Days
	Number	Rate+	
E300-E807 - Railway Accidents	1	0.10	1
E810-E819 - Motor Vehicle Traffic Accidents			
Collision with train (E810)	5	0.50	18
Re-entrant collision with another motor vechicle (E811)	1	0.10	24
Collision with another motor vechicle (E812)	390	38.44	2,381
Collision with other vehicle (E813)	59	5.82	296
Collision with pedestrian (E814)	216	21.30	2,681
Other collision, highway (E815)	46	4.53	111
Noncollision due to loss of control, highway (E816)	517	50.96	2,728
Noncollision motor vehicle traffic accident while boarding or alighting (E817)	50	4.93	443
Other noncollision (E818)	214	21.10	906
Unspecified nature (E819)	762	75.11	5,716
E820-E825 - Motor Vehicle NonTraffic Accidents			
Motor driven snow vehicle (E820)	148	14.59	853
Other off-road motor vehicle (E821)	138	13.60	737
Collision with moving vehicle (E822)	7	0.69	55
Collision with stationary object (E823)	9	0.89	82
Other motor vehicle nontraffic accident while boarding or alighting (E824)	10	0.99	39
Other motor vehicle nontraffic accident of other and unspecified nature (E825)	64	6.31	292
E826-E829 - Other Road Vehicle Accidents			
Pedal cycle accident (E826)	265	26.12	914
Animal drawn vehicle accident (E827)	11	1.08	52
Accident involving animal being ridden (E828)	202	19.91	938
Other road vehicle accidents (E829)	3	0.30	18
E830-E838 - Water Transport Accidents			
Board with submersion (E830)	1	0.10	2
Causing other injury (E831)	2	0.20	2
Other accidental submiersion or drowning (E832)	2	0.20	2

Type and Cause of Accidents	Cases Number	Rate+	Patient Days
Other fall from one level to another in water transport (E834)	1	0.10	4
Other and unspecified fall in water transport (E835)	3	0.30	15
Other and unspecified (E838)	1	0.10	3
E840-E845 - Air & Space Transport Accidents			
Powered aircraft at takeoff or landing (E840)	1	0.10	79
Powered aircraft, other, unspecified (E841)	4	0.40	6
Accident to unpowered aircraft (E842)	1	0.10	3
Other specified air transport accidents (E844)	3	0.30	35
E846-E848 - Vehicle Accidents not Elsewhere Classifiable			
Accidents involving powered vehicles used solely within the building and premises of an industrial or commercial establishment (E846)	1	0.10	1
Accidents involving other vehicles not elsewhere classifiable (E848)	2	0.20	2
E850-E858 - Accidental Poisoning, Drugs, Medicaments, Biologicals			
Analgesics, antipyretics, antirheumatics (E850)	103	10.15	161
Barbiturates (E851)	3	0.30	7
Accidental poisoning by other sedatives and hypnotics (E852)	29	2.86	71
Accidental poisoning by tranquilizers (E853)	12	1.18	17
Accidental poisoning by other psychotropic agents (E854)	11	1.08	24
Accidental poisoning by other drugs acting on central and autonomic nervous systems (E855)	10	0.99	18
Accidental poisoning by antibiotics (E856)	6	0.60	17
Accidental poisoning by anti-infectives (E857)	2	0.20	5
Other drugs (E858)	169	16.66	365

Type and Cause of Accident	Cases Number	Rate+	Patient Days
E860-E869 - Accidental Poisoning by Other Substances			
By alcohol, not elsewhere classifiable (E860)	16	1.58	16
Cleansing and polishing agents, disinfectants, paints and varnishes (E861)	15	1.48	17
Petroleum, other solvents, vapours, NEC (E862)	53	5.22	76
Agricultural, horticultural, pharmaceutical substances (E863)	28	2.76	34
Corrosives and caustics, NEC (E864)	14	1.38	17
Foodstuffs and poisonous plants (E865)	16	1.58	17
Other and unspecified solid and liquid substances (E866)	29	2.86	33
Gas distributed by pipeline (E867)	6	0.60	7
Other utility gas and other carbon monoxide (E868)	18	1.77	26
Other gases and vapours (E869)	12	1.18	17
E870-E876 - Misadventures to Patients During Surgical and Medical Care			
Accidental cut, puncture, perforation or haemorrhage (E870)	1	0.10	8
E878-E879 - Surgical and Medical Procedures as the Cause of Abnormal Reaction of Patient or Later Complication, Without mention of Misadventure at the time of the Procedure			
Other procedures (E879)	14	1.38	133
E880-E888 - Accidental Falls			
On or from stairs or steps (E880)	761	75.01	5,439
On or from ladders or scaffolding (E881)	141	13.90	893
Fall from or out of building or other structure (E882)	93	9.17	410
Fall into hole or other opening in surface (E883)	45	4.44	195
Other fall from one level to another (E884)	913	90.00	6,689
Fall on same level from slipping, tripping or stumbling (E885)	1,157	114.05	10,205
Fall on same level from collision, pushing or shoving, by or with other person (E886)	77	7.59	272
Fracture, cause unspecified (E887)	770	75.90	10,387
Other and unspecified (E888)	2,269	223.66	29,027

Type and Cause of Accident	Cases Number	Rate+	Patient Days
E890-E899 - Accidents Caused by Fire & Flames			
Conflagration in private dwelling (E890)	11	1.08	70
Conflagration in other and unspecified building or structure (E891)	2	0.20	4
Conflagration not in building or structure (E892)	3	0.30	75
Ignition of clothing (E893)	4	0.40	21
Ignition of highly inflammable material (E894)	29	2.86	375
Controlled fire in private dwelling (E895)	17	1.68	136
Controlled fire not in building or structure (E897)	4	0.40	51
Other specified fire & flames (E898)	19	1.87	74
Unspecified fire (E899)	40	3.94	837
E900-E909 - Accidents Due to Natural and Environmental Factors			
Excessive heat (E900)	35	3.45	71
Excessive cold (E901)	89	8.77	954
Travel and motion (E903)	1	0.10	2
Hunger, thirst, exposure, neglect (E904)	5	0.50	97
Poisoning, toxic reactions (E905)	40	3.94	85
Other injury caused by animals (E906)	183	18.04	778
Lightning (E907)	2	0.20	5
E910-E915 - Accidents, Submersions, Suffocation and Foreign Bodies			
Accidental drowning or submersion (E910)	32	3.15	68
Inhalation and ingestion of food causing respiratory obstruction (E911)	63	6.21	141
Inhalation and ingestion of other object causing obstruction or respiratory tract or suffocation (E912)	26	2.56	56
Accidental mechanical suffocation (E913)	6	0.60	13
Foreign body accidentally entering eye and adnexa (E914)	26	2.56	68
Foreign body accidentally entering other orifice (E915)	155	15.28	355
E916-E929 - Other Accidents			
Struck by falling object (E916)	108	10.65	623
Striking against or struck by objects or persons (E917)	1,002	98.77	3,408

Type and Cause of Accident		Cases Number	Rate+	Patient Days
	Caught in or between objects (E918)	93	9.17	380
	Caused by machinery (E919)	272	26.81	1,569
	Cutting or piercing instruments (E920)	414	40.81	1,559
	Caused by explosion of pressure vessel (E921)	12	1.18	91
	Firearm missile (E922)	48	4.73	659
	Caused by explosive material (E923)	33	3.25	181
	Hot substance or object, caustic or corrosive material & steam (E924)	254	25.04	2,464
	Electric current (E925)	9	0.89	113
	Overexertion and strenuous movement (E927)	541	53.33	2,519
	Other and unspecified environmental and accidental causes (E928)	807	79.55	4,385
E929	Late Effects of Accidental Injury	324	31.94	2,827
E930-E949 -	Drugs, Medicaments & Biological Substances Causing Adverse Effects in Therapeutic Use			
	Antibiotics (E930)	6	0.60	25
	Other anti-infectives (E931)	4	0.40	15
	Hormones and synthetic substitutes (E932)	2	0.20	37
	Primarily systemic agents (E933)	14	1.38	80
	Agents primarily affecting blood constituents (E934)	5	0.50	58
	Analgesics, antipyretics and antirheumatics (E935)	4	0.40	8
	Anticonvulsants & anti-parkinsonism drugs (E936)	4	0.40	45
	Sedatives and hypnotics (E937)	1	0.10	5
	Psychotropic agents (E939)	4	0.40	12
	Agents primarily affecting the cardiovascular system (E942)	17	1.68	168
	Water, mineral, and uric acid metabolism drugs (E944)	1	0.10	7
	Other and unspecified drugs and medicaments (E947)	8	0.79	57
E950-E959 -	Suicide & Self Inflicted Injury			
	By solid or liquid substances (E950)	730	71.96	1,983
	Poisoning by other gases and vapours (E952)	8	0.79	184
	Hanging, strangulation, and suffocation (E953)	7	0.69	89
	Firearms & explosives (E955)	22	2.17	167
	Cutting & piercing instruments (E956)	40	3.94	188

Type and Cause of Accident	Cases Number	Rate+	Patient Days
Jumping from high place (E957)	1	0.10	10
Other and unspecified means (E958)	1	0.10	3
Late effects of selfinflicted injury (E959)	1	0.10	4
Total All Causes (E800 - E959)	15,522	1,530.02	112,301

Source: Saskatchewan Hospital Services Plan

* Excludes cases not covered by the Saskatchewan Hospital Services Plan. This table shows data for the period April 1, 1983 - March 31, 1984.

\+ Rate per 100,000 population (SHSP Covered Population)

Saskatchewan Health

Accident Classifications

Saskatchewan

EXPLANATION OF CATEGORIES USED IN THIS BOOK

The categories used to describe accidents are summaries of classifications found in hospital and mortality data.

The classifications used are the International Classification of Disease codes for external cause of injury (E codes -- E800 - E959, ICD 9th Revision).

The following explanations are intended to clarify what could be included under the headings used, although specific ICD codes are not always listed under the same groups.

Motor Vehicle Accidents (E810 - E825)

Includes collision and non-collision accidents involving a car, truck, bus, construction or farm machine while in transport under its own power, motorcycle or snowmobile.

Includes collision between any of these motor vehicles and a pedestrian, bicyclist, rider of animal or occupant of a non-motorized vehicle.

Includes accidents occurring on a public highway (traffic accident) and elsewhere (non-traffic accident).

Fires (E890 - E899)

Includes injuries caused by fires and flames.

Drowning (E830, E832, E910)

Includes submersion in boating accident, while swimming, falling through ice, or drowning in bath.

Suffocation (E911 - E913)

Includes suffocation or choking on food or other object, mechanical suffocation by smothering or strangulation.

Poisoning (E850 - E858, E860 - E869)

Includes accidental injestion or overdose of drugs or other substances, gases and vapours.

Other Transportation (E800 - E807, E826 - E829, E831, E833 - E838, E840 - E845, E846 - E848)

Includes bicycle accidents where no motor vehicle is involved. Animal drawn and other non-motorized vehicles. Railway and air accidents and water transportation accidents other than submersion.

Cutting Objects (E920)

Includes broken glass, nails, hand tools, powered hand tools, lawn mowers, meat slicer, saws and other sharp objects.

Hot Substance or Object (E924)

Includes acids, hot liquids, molten metal, heat from electric appliance, without fire.

Overexertion and Strenuous Movement (E927)

Includes exhaustion, injury in bending, straining or twisting, lifting, pulling or pushing.

Falls (E880 - E888)

Accidental falls including falls on stairs, while running, slipping, and so on.

Struck Against or by Persons or Objects (E917)

Including collision with person, stationary object, or moving object (other than motor vehicle or objects elsewhere classified).

Foreign Objects (E914 - E915)

Foreign body entering an eye, ear, nose or other orifice. Including dust, oil or object (not food) which causes injury other than suffocation.

Natural Factors (E900 - E909)

Including excessive heat and cold, exposure, animal bites, insect bites and catastrophic floods or earth movement.

Suicide and Self-inflicted Injury (E950 - E959)

Includes injuries in suicide and attempted suicide.